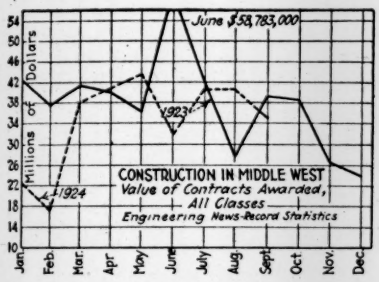
CONSTRUCTION NEWS

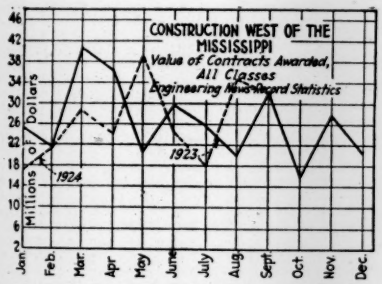
Engineering News-Record, October 16, 1924

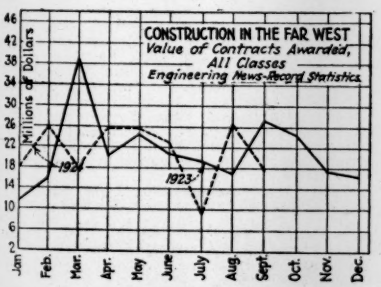
The Construction Barometer

Marked Gains in Private Commercial Buildings and Industrial Construction—Activity Centered in New England and Middle Atlantic States

THE week just passed was marked by unusual gains in commercial and industrial building construction. Several large private commercial buildings throughout the country, ranging in value from $2,000,000 to $6,000,000, are responsible for the abrupt rise in the total of contracts awarded. A large power plant at Shippingsport, Pa., valued at $23,000,000, caused the abnormal increase in the total for industrial lettings. Without considering the power project at all, the industrial lettings were almost double those of the week preceding. The gain in construction, however, is confined to New England and the Middle Atlantic states, as shown by the charts. Among other favorable indications are: the improvement in steel output and orders; record car loadings; increased demand for automotive and railroad equipment; reopening of many textile mills; larger commercial bank loans and firmness of commodities' prices, particularly agricultural products.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Sept. 25	$22,837,000	$14,130,000	$36,967,000
Oct. 2	14,140,000	14,765,000	28,905,000
Oct. 9	15,048,000	49,481,000	64,529,000
3 weeks	$52,025,000	$78,376,000	$130,401,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

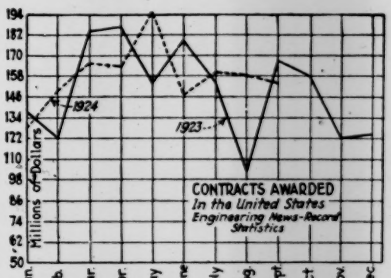
Week Ended	Commercial: Public No.	Commercial: Public Thousand	Private No.	Private Thousand	Industrial No.	Industrial Thousand
Sept. 25	15	$7,461	29	$7,884	25	$6,246
Oct. 2	12	2,973	38	8,321	24	1,396
Oct. 9	13	5,124	35	23,589	26	25,499
3 weeks	40	$15,558	102	$39,794	75	$33,141

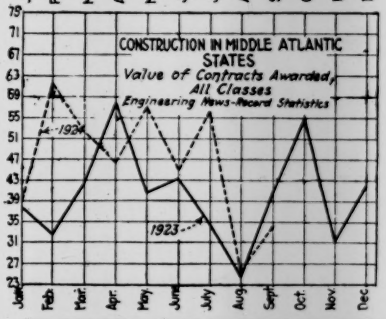
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

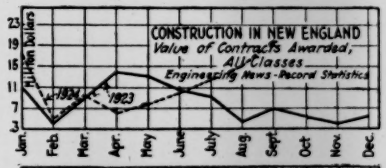
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Sept. 25	24	31	46	26	149
Oct. 2	23	39	47	25	166
Oct. 9	20	26	50	35	175

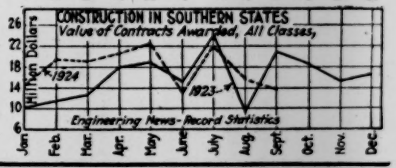
SHAPES DOWN 5c. PER 100 LB. AT PITTSBURGH

	Quoted on Oct. 16 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.80 @2.00	$1.90 @2.00	Oct. 9
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	55.00	56.00	Oct. 2
Fir, San Fran., M. ft.	29.00	34.00	Sept. 25
Common labor, hr.	.56	.55	Apr. 2




CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded,
All Classes
Engineering News-Record Statistics
1924
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.




CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded, All Classes,
Engineering News-Record Statistics
Millions of Dollars
1924
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

Waterworks

PROPOSED WORK

N. C., Siler City — Making plans and takes bids in about 60 days water and sewerage systems. $75,000 bonds voted for project. Spoon & Lewis, 407-8-9 Amer. Bank Bldg., Greensboro, consult engrs. This corrects report in Oct. 1 issue.

O., Newton Falls—Making plans deep well pump, high service pump, 2,509 gal. per minute pump and pump towers. $40,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

Ill., Nashville — Defeated $35,000 bond issue for waterworks, sewers, etc.

Ill., Pinckneyville—Rejected bids Sept. 30, for filter plant, pumping station, etc. A. H. Beard Eng. Co., 616 Title Guaranty Bldg., St. Louis, Mo., engrs.

Minn., Little Falls — Election Oct. 29, $100,000 bonds for waterworks improvements, incl. filter plant. A. Johnson, city clk.

Neb., Beatrice — Plans 1 m.g. settling basin. L. Pethond, city clk.

N. D., Carrington—Voted $15,000 bonds for pumping equipment. I. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr.

Mo., Marshfield — Making plans new waterworks and sewerage systems. Gantt-Baker, 1116 West Main St., Oklahoma City, Okla., engrs.

Tex., Brownfield — Making plans complete waterworks system, incl. tank and tower, etc., $60,000 bond election called when plans are completed. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs.

Tex., Dallas—G. A. Gamble, c/o E. A. Kingsley, City Hall, engr., soon takes bids 6,000 ft. main in Southeast Oak Cliff, to develop new addition. $32,000. City to pay $10,800 toward cost at completion and assume control of same.

Tex., Grapevine — Voted $60,000 bonds installation waterworks. Address E. E. Lowe, mayor. Noted Sept. 18.

Tex., Greenville — J. O. Willman, city secy., had plans prepared and soon takes bids reservoir, pipe line and filtration plant extensions. $350,000. Elrod Eng. Co. 3124 Main St., Dallas, engrs. Noted Sept. 25.

Tex., Jayton — Made preliminary plans waterworks system, incl. tank and tower and 4 mi. 6 in. pipe from present reservoir. Election soon $500,000 bonds for project. Montgomery & Ward, City Natl. Bank Bldg., Wichita Falls, engrs. Noted June 12.

Tex., Port Arthur—Voted $48,000 bonds waterworks improvement incl. mains and

Waterworks (Continued)

laterals and larger power house with some pumping equipment. Engineer not selected.

Okla., Catoosa—Voted $20,000 bonds new waterworks securing water from Spavinaw pipe line, 8,300 ft. 2- to 6-in. c.i. pipe, centrifugal pumps, etc. Holway Eng. Co., New Wright Bldg., Tulsa, engrs.

Okla., Clinton—Making plans waterworks incl. elevated tank, dam across river, pumps, etc. B. M. Hart, City Hall, Oklahoma City, engr.

Okla., Panama—Plans waterworks system. $25,000. Engineer not selected.

Wash., Bellingham — Made surveys extending water system to Lake Campbell, and plans pumping plant, using Whistle Lake as storage reservoir. Election soon $150,000 bonds for project. W. B. Short, city engr.

Wash. Port Angeles—Made surveys for water system. Plans to issue $315,000 bonds and purchase plant of North Pacific Service Co. and remodel and improve same. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 7.

Calif., Oakland—East Bay Cities election Nov. 4, $39,000,000 bonds to develop Mokelumne River project for mountain water supply system, incl. constructing Lancha Plana and Arroyo Seco reservoirs, etc., for Bay Municipal Utility Dist. For details see Oct. 2 issue of E. N.-R. page 559.

Calif., Phelan—Sheep Creek Water Co., making plans 12,295 lin.ft. 24 in. concrete pipe line, and raise earth fill dam, etc. $125,000 or more. J. P. Lippincott, Central Bldg., Los Angeles, engr.

Calif., San Diego—See "Dams."

Calif., San Francisco—See "Unclassified."

Ont., Ansonville—Making plans 10,000 ft. 6 in. c.i. mains, hydrants, valves, electric pumps and filters. $30,000 to $50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Fort William—Plans 3 mi. 20- to 24-in. steel or c.i. main from here to reservoir. $100,000. C. B. Symes, City Hall, engr.

Ont., LaSalle — Border Utilities Comn. making plans tending mains. $385,000. J. C. Keith, 300 Ouellette Ave., Windsor, engr.

Ont., Toronto—East York Twp. making plans installing about two thousand five hundred ⅝ in. water meters in all parts system, $50,000. G. R. Jack, Municipal Yard, Sammon Ave., engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Baughman Pl. and under Coney Island Boardwalk, Bedford, Hegeman and Troy Aves., Montgomery, 48th, 73rd, 75th, East 4th, East 12th, East 27th, East 43rd, East 59th, East 96th and West 5th Sts., here.

N. Y., Long Island City—Oct .24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 45th Dr., North Hempstead Turnpike, Quinlan, Bushkirk and Elinor Places, North Railroad, Otis, 57th, Rose, 32nd, Ayr, Edsall, Joy, Montgomery, 71st and Meyer Aves., Uurge, Scudder, 129th, 158th, 167th, 169th, 170th, 1st. Hosack, Van Horn, 168th, 209th, 217th and 3rd Sts., here.

N. Y., New York — Oct. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in White Plains Rd., Poplar and East 172nd Sts., Bogart, Croes, Ellis, Fetley, Haight, Hering, Holland, Hone, Hunt, Leland, Lydig, Matthews, Morris Park, Neill, O'Brien, Paulding, Radcliff, Rhinelander, Tenbroeck, Thierot, Underhill and Van Nest Aves.

N. J., Haledon—Nov. 3, by Mayor and Boro Council, 250,000 gal. filter at High Mountain Reservoir. H. J. Harder, 129 Market St., Paterson, engr.; adv. E. N.-R. Oct. 16.

Fla., Sebring — Nov. 11, by A. E. Lawrence, Mayor, and City Council at City Clerk's office, about 6 mi. of 6- to 10-in. cast iron pipe with special valves and hydrants, 200,000 gal. clear water collecting well, etc.; about 2 mi. 8- to 15-in. vitr. pipe for sewer, etc. P. H. Norcross, 1404 Candler Bldg., Atlanta, Ga., consult. engr.; adv. E. N.-R. Oct. 16.

La., New Orleans—See "Sewers."

Tex., University Park—Taking bids 100,000 gal. steel tank. G. A. Duren, 306 University Bldg., engr.

BIDS RECEIVED

O. Euclid—For 1,220 ft. 4 and 6 in. c.i. mains in Arcadia Rd., from F. Hadded, Fidelity Mortgage Bldg., Cleveland, $3,104; 2,900 ft. in Cut Rd., from Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $8,997; 4,750 ft. in Upson Rd., from A. C. Hattendorf, Stop 14, Euclid Ave., Cleveland, $18,502.

Wis., Black River Falls—City, Sept. 29, dam and filtration gallery from A. Larson & Co., 418½ South Barstow St., Eau Claire, $14,980; pump, motor and engine, from Allis-Chalmers Mfg. Co., Greenfield Ave., Milwaukee, $2,195.

CONTRACTS AWARDED

Massachusetts—Metropolitan Dist., Comn. Water Div., 1 Ashburton Pl., Boston, water pipes in Waltham, Belmont and Arlington to T. A. Gillespie Co., 7 Dey St., New York City. Noted July 24.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Sexton Pl., Bronx Park East, Adee, Arnow, Astor, Bouck, Barnes, Duryea, Ely, Fish, Gunther, Holland, Morgan, Nereid, Paulding, Warren, Seton, Tieman, Throop, Wallace, Wilson, Yates, East 22nd, 226th, 228th, 231st and 243rd Sts., to C. De Blasio, 339 7th Ave., Mt. Vernon, $38,990. Noted Oct. 9.

N. D., Carrington—For one open well, 25 ft. diam., 30 to 40 ft. deep, to P. M. Hanson, Glenfield, $5,800. Noted Sept. 11.

Que., Three Rivers—C. Gelinas, city engr., constructing 6 bed rapid sand filtration plant, to B. J. Trepanier, Three Rivers, $314,500. Engrs. est. $370,000.

Ont., Chippewa—General contract waterworks, to Webster Constr. Co., London; pumps, to Goldie & McCullock Co., Ltd., Traders Bank Bldg., Toronto; filters, to Canadian International Filter Co., Ltd., Confederation Life Bldg., Toronto; meters, to Natl. Meter Co. of Canada, Toronto; 60,000 gal. elevated steel tank, to Horton Steel Wks., Bridgeburg, Ont. Noted April 24.

Ont., Kapuskasing—See "Sewers."

Ont., Toronto—Constructing 36 in. steel main in Peter St., 20 in. high pressure fire main in John St., incl., to A. McRae, 231 Jarvis St., $25,000. Engrs. est. $30,000.

Sewers

PROPOSED WORK

N. C., Siler City—See "Waterworks."

O., Cedar Point (Sta. Sandusky)—Plans sewage treatment plant. $50,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

Mich., Grosse Pointe Farms (branch of Detroit)—Made plans 3,000 ft. 10 in., 3,720 ft. 12 in. and 1,480 ft. 15 in. vitr. crock sewers in Grosse Pointe Blvd. $25,000. F. P. Walter, village engr.

Minn., Alberta Lea—Election Nov. 4 to vote on $100,000 bonds for sewage disposal plant. C. J. Dudley, city clk.

Minn., Chisholm—Voted $150,000 bonds for sewer improvements, incl. sewage disposal plant. G. Anderson, city engr. Noted Sept. 25.

S. D., Madison—Voted $25,000 bonds for sewage disposal plant. J. W. Ember, city aud.

Mo., Marshfield—See "Waterworks."

Okla., Braman—Defeated $25,000 bonds new sewerage system, and project will be dropped. F. B. King, Grain Exch. Bldg., Oklahoma City, engr. Noted Oct. 9.

Tex., Wichita Falls—Making plans disposal plant. $500,000. J. M. Isbell, City Hall, engr.

N. M., Las Cruces — Soon takes bids storm sewers, 20 blocks paving and 4 mi. sidewalks on various streets. $25,000. M. M. Humphrey, 6004 East 11th St., Kansas City, Mo., engr.

Calif., Firebaugh—Made plans 8,371 lin. ft. 6 and 10 in. vitr. clay sewer, 318 wye branches for house connections, sewage disposal plant, Imhoff tank and dosing chamber, centrifugal pumps with electric motors, etc. F. A. Gamboni, 515 Brix Bldg., Fresno, engr.

Calif., Petaluma—Made preliminary plans rebuilding present sewerage system and intercepting and outfall sewers in East and West Petaluma 57,200 lin.ft. 6- to 21-in. pipe, 400 ft. 8 in. c.i. siphon, 300 and 1,000 g.p.m. pumping plants, etc. Howe & Peters, 24 California St., San Francisco, engrs. Noted Feb. 21.

Calif., San Francisco—See "Unclassified."

Calif., San Pablo — San Pablo Sanitary Dist. made plans 33,518 ft. 6 and 8 in. vitr. 170 ft. 6 and 8 in. c.i. sewer, etc., in Alvarado St. R. L. Calfee, 221 South 22nd St., Richmond, engr.

Calif., Sonoma—Plans election approximately $300,000 bonds constructing 3 mi. sewer outlet to tide water.

Ont., Cottam—Gosfield North Twp., S. H. Wyatt, clk., making plans about 9 mi. title drains 4 in. up in earth trenching. $50,000. Engineer not selected.

Ont., Leamington — Mersea Twp. plans 20 mi. porous tile drains. $100,000. A. Hairsine, clk.

Ont., Milton — Plans sewerage sytsem, $30,000, sewage plant, $25,000, also 2 mi. 9 ft. and up vitr. tile sewer. $75,000. Engineer not selected.

Ont., Toronto—York Twp. plans 5 mi. vitr. tile and brick combined system of sanitary and storm sewers, etc., in western part of township incl. Runnymede, Humbercrest, Scarlett Plains and Lambton Park. $225,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Welland — Plans storm sewer in Oakland Ave., etc. $30,000. C. H. Coulson, City Hall, engr.

BIDS DESIRED

N. Y., New York—Oct. 24, by J. Miller, pres. Manhattan Boro., Municipal Bldg., storm sewer inlets and culverts on West 214th St. and Indian Rd.

N. Y., St. George — Oct. 20, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary system sanitary sewers in New Dorp, Oakwood and vicinity.

N. J., Metuchen—Nov. 6, by Mayor and Boro Council, about 13 mi. 8- to 18-in. sewer, etc., in Sect. 1, disposal works, pumping station, etc., in Sect. 2. E. A. Burroughs, clk.; adv. E. N.-R. Oct. 16.

Pa., Williamsport — Oct. 18, by B. C. Houck, city clk., 4,660 ft. 8- to 10-in. terra cotta sanitary sewer in Fairview Terrace, Prospect and Jerome Aves., Webb, Howard and Blaine Sts. L. Mussino, city engr.

La., New Orleans—Dec. 9, by Sewerage and Water Bd. sewerage, waterworks and drainage construction. A. G. Moffat, secy.; adv. E. N.-R. Oct. 16.

Ky., Louisville — Nov. 14, by Commissioners of Sewerage, 417 West Main St., Central Relief Drain in 8th St. from Ohio River to Bway. J. B. F. Breed, ch. engr.; adv. E. N.-R. Oct. 16.

Wis., South Milwaukee—Oct. 20, by R. Schauer, city clk., complete rein.-con. disposal plant. $25,000. Alvord, Burdick & Howson, 7 South Dearborn St., Chicago, Ill., engr. Noted Aug. 28.

Ark., Little Rock — Oct. 11, by Comrs. Sewerage Dist. 99, at office of Dickenson & Watkins, engrs., Boyle Bldg., 9,400 ft. 6- and 8-in. sewers.

BIDS RECEIVED

O., Euclid—From F. Hadded, 512 Fidelity Mortgage Bldg., Cleveland, 2,000 ft. 8- to 12-in. vitr. tile sewer in Arcadia Rd., $5,293, 1,700 ft. in Park Blvd., $4,915; from Curro & Whittaker, 12,208 Mayfield Rd., Cleveland, 2,000 ft. 8- to 12-in. sewers in Clinton St. $3,928, in Beck St. $3,036, 3,300 ft. 8- to 12-in. concrete sewer in East 212th St. $9,873, 3,000 ft. 8- to 12-in. vitr. tile sewer in Shore View Rd. $7,033, 6,600 ft. 8- to 24-in. in Lloyd Rd. $21,205.

Mich., Detroit—Dept. Pub. Wks., 8,106 ft. vitr. crock sewer in Connors Creek Sewer Sect. 4, in Mt. Olivet cemetery and Pennsylvania R.R. right-of-way from Six Mile Rd. to Seven Mile Rd. from Lennane & McIlvenna, 1121 Book Bldg., $483,893.

Mich., Detroit — Constructing 3,657 ft. brick or concrete sewer in Gratiot Ave. Arm of Bradford Ave. Sewer, from Dept. Pub. Wks., City Hall $79,365 3,455 ft. Southampton Arm of Newport Ave. Sewer from S. Healy, 6466 Epworth Blvd., $44,702; 25,213 ft. vitr. crock Sewer 4227 between 6 mi. Rd., Wyoming, Crudder and Curtis Aves., from Central Constr. & Eng. Co., Detroit, $99,990. Noted Oct. 2.

Okla., Oklahoma City—Sewers in blocks 26 to 78 and 95 to 100, in Industrial addition to city, from Koller Plumbing Co., Ponca City, $95,509 concrete pipe, $98,193 vitr. clay pipe.

Calif., Los Angeles—For 1 mi. Sycamore Canyon Storm Drain, Sect. 2, and 1.5 mi. Sect. 3, from T. Haverty Co., 8th and Maple Sts., $83,925 and $83,750 respectively, 2 mi. Storm Drain in Altedena, from De Ward & Sons, 207 Granger Bldg., San Diego, $119,896.

Calif., Los Angeles—Constructing sewers in 83rd St. between Vermont and Western Aves., from J. Chutuk, Wilcox Bldg., $32,119.

Calif., Los Angeles — Los Angeles Co. Sept. 22, 1 mi. tunnel and ditch Sycamore Canyon Storm Drain No. 1, from Robinson-Roberts Co., 2040 Milan St., South Pasadena, $72,295 tunnel in Sycamore Canyon Storm Drain No. 1-A, from J. C. Duncan Co., 5128 Maywood Ave., Eagle Rock, $229,880. Noted Sept. 4, under "Unclassified."

CONTRACTS AWARDED

La., Bastrop—Sewage disposal plant and 59,300 ft. 8- to 24-in. vitr. clay sewers in general streets, to James Contr. Co., Shreveport, $87,371.

Mich., Detroit—Wayne Co. Rd. Comn, Real Estate Exch. Bldg., 1,350 ft. 72 in. concrete sewer in Warren Ave., to J. Monte, 3049 Russell St., about $25,000. Noted Sept. 18.

Sewers (Continued)

Mich., Ferndale—Constructing 4,204 ft. 30 in. vitr. pipe sewer in Marshall Ave. from Woodward Ave. to alley west of Woodward, together with backfilling, to Hammen & Co., 4612 Woodward Ave., Detroit, $26,173.

Wis., Beloit—For concrete storm sewers in various streets, to United Constr. Co., Iowa Falls, Ia., $13,175; for sanitary sewers, to Pastoret Constr. Co., Sellwood Bldg., Duluth, Minn., $17,965. Noted Aug. 28.

Wis., Milwaukee — J. H. Fowles, secy. Sewerage Comn., 508 Market St., furnishing and erecting structural steel for sludge storage building, on Jones Island, to Milwaukee Structural Steel Co., Western Plank Rd., $49,480. Noted Oct. 9.

Ia., Waterloo — Sanitary and storm sewers, incl. 9,321 ft. 8- to 36-in. sewers, 4 standard bulkheads, 40 lin.ft. 10 in. vitr. pipe, etc., to P. Berg, 619 Smith St., Waterloo, $36,148. Noted Oct. 9.

Minn., Austin — Sewage disposal plant, Imhoff tanks and sprinkling filters, 1,300,000 gal. capacity sludge bed, extending main sewer, 150 lin.ft. 42 in. concrete and 500 lin.ft. 24 in. vitr. pipe, tanks, settling basins, etc., to Gjellefald-Chapman Constr. Co., Forest City, $212,551. Noted Sept. 25.

Tex., Dallas — Sewer tile pipe, to San Antonio Sewer Pipe Co., Bedell Bldg., San Antonio, 6 in. $0.1925, 18 in. $1.325, 6/6 in. wyes $0.77, spec. 6/6 in. wyes $1.35, spec. 6/12 in. wyes $2.55, total $5,240.

Tex., Houston—Storm sewer in Dowling St. from Preston to Capitol and from Leland to Hadley Sts., to C. K. Horton, 2202 Clay St., $22,943. Engrs. est. $25,000.

Tex., San Antonio—For 6,000 ft. storm sewer in Peach St., to McKenzie Constr. Co., 605 Bedell Bldg., $69,247. Noted Sept. 11.

Calif., Los Angeles—Constructing 11,000 lin.ft. 8 in. vitr. laterals in 65th St., to A. Dalmatin, 841 West 62nd St., $43,350. Noted Oct. 9.

Calif., Oakland — Constructing 18,288 lin.ft. 8 in. vitr. sewer, 48 manholes, etc. in Fruitvale Garden Farms Tract, to M. Smith, 1003 85th Ave., approximately $52,000. Noted Sept. 4.

Calif., Reedley — City Trustees, vitr. sanitary sewer extensions and complete disposal plant, to Heafey-Moore-McNair, 2030 High St., Oakland, $109,421. Noted Sept. 18.

Ont., Kapuskasing—O. Saville, town clk., 2,930 ft. 8 in. and 900 ft. 12 in. vitr. glazed tile sewers also 2,960 ft. water mains in various streets, to Lacroix & Caron, Kapuskasing. Engrs. est. $30,000.

Ont., Long Branch — Etobicoke Twp., rein.-con. activated sludge type rein.-con. disposal plant, to G. B. Moogh. Weston., $40,000. Noted April 24.

Ont., Port Elgin — Rein.-con. sewage disposal plant, to W. T. Ellis, R.R. No. 1, Walkerton; 8- to 12-in. vitr. tile pipe, to T. J. McLean, Wingham. Noted July 24.

Ont., Toronto—East York, Twp. Municipal Yard, Sammon Ave., 72 in. brick and concrete trunk sewer, open cut and tunnel work, to McLaughlin Bros., 55 Gould St., Toronto, $72,800.

Ont., Toronto—East York Twp., Municipal Yard, will build 5,000 ft. 8- to 12-in. tile sanitary sewer in Hopedale Ave., $11,000, 12,000 ft. 8- to 15-in. vitr. tile sewer in Gamble and Gowan Aves., $29,000, by day labor under supervision of G. R. Jack, Sammon Ave., twp. engr.

Waste Disposal

CONTRACTS AWARDED

Tex., Austin—Incinerator plant, 75 ton capacity, to Superior Incinerator Co., Wilson Bldg., Dallas, $39,500. Noted Sept. 25.

Bridges

PROPOSED WORK

N. Y., Jamesport—Making plans 1,200 ft. steel deck girder bridge over Chadokin River, here. $300,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

N. J., Hackensack — Delaware, Lackawanna & Western R.R., Hoboken, plans 850 ft. 3 track bridge over Hackensack River. G. J. Ray, ch. engr.

Ohio—See "Streets and Roads."

O., Massillon—Stark Co. (Canton), plans constructing viaduct to span three railroad tracks, Tuscarawas River and Ohio Canal, on Main St. $500,000-$800,000. A. M. Wise, Canton, engr.

Wis., Kaukauna—Soon takes bids one 90 ft. span vertical lift plate girder bridge and four 76 ft. span fixed type plate girder bridge at Island St. and Wisconsin Ave. Plans to issue $100,000 bonds to defray cost. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Tex., Carthage — Panola Co. making plans steel and rein.-con. bridge over 20 ft. span, on State Highway 8. $49,000. Titus & Dillon, Carthage, engrs.

Tex., Karnes City — See "Streets and Roads."

Wash., Seattle — J. D. Blackwell, city engr., made plans 176 ft. steel approach on south end and 88 ft. approach on north end of 12th Ave. South Bridge, $200,000, and is also preparing estimates of additional cost of taking care of street railway traffic while work of construction is under way.

BIDS DESIRED

N. Y., Fort Edward—Oct. 24, at office Town Clerk, 2 concrete steel girder bridges, one over Moses Kill Creek and one over Harris Creek. Concrete-Steel Eng. Co., Park Row Bldg., New York City, engrs.; adv. E. N.-R. Oct. 16.

New Jersey—Oct. 30, by Morris Canal & Banking Co., Arrow Bldg., Blackwell and Sussex Sts., Dover, reconstructing and dismantling Sect. 103-115 of Morris Canal between Pompton Plains and Little Falls, Morris and Passaic Counties. C. C. Vermeule, Dover, and 38 Park Row, New York City, consult. engr.; adv. E. N.-R. Oct. 16.

New Jersey—State Hy. Comn., Broad St. Bank Bldg., Trenton, removing existing bridge and constructing concrete encased I-beam bridge over Menantico Creek, Route 15, Cumberland Co., from M. Staub, 21 Wildwood St., and Pitman and Kolyn Constr. Co., Trenton, $85,796. Noted Sept. 25.

Florida—Nov. 12, by Comrs. Dade Co. at office B. Shepard, clk., Miami, widening Miami Causeway across Biscayne Bay, connecting Miami with Miami Beach. H. Crabtree, co. engr.; adv. E. N.-R. Oct 16.

South Carolina — Oct. 28, by Cooper River Ferry Comn., 37 Broad St., Charleston, bridge and causeway over Cove Inlet, between Mt. Pleasant and Sullivans Island, 12,400 cu.yd. gravel surfacing, 2,800 cu.yd. treated lumber, etc. J. L. Parker, 601 Peoples Bank Bldg., Charleston, engr.

S. C., Moncks Corner—See "Streets and Roads."

S. C., Walterboro — See "Streets and Roads."

La., Tangipohoa — Nov. 4, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing 161 ft. steel swing span bridge over Pass Manchac, 448 cu.yd. concrete, 292,000 ft. creosoted lumber, 247,000 ft. untreated lumber, etc. J. M. Fourmy, highway engr.

Tennessee—Oct. 31, by State Dept. Hys. & Pub. Wks., Nashville, (F. A. P. means Federal Aid Proect, S. A. P. means State Aid Project), 3 rein.-con. bridges, (a) fourteen 26 ft., one 40 ft. and two 25 ft. spans, (b) three 26 ft. spans, (c) three 30 ft. spans, all on F. A. P. 41-A, Madison Co. line Rd., Carroll Co.; 7 concrete bridges over 20 ft. spans each, Greenville-Washington Co. line Rd., Highway 34, Greene Co.; 6 rein.-con. bridges, (a) fourteen 26 ft., one 34 ft. and two 18 ft. spans, (b) four 20 ft., three 26 ft. and four 22 ft. spans, Somerville-Hardeman Co. line Rd., F. A. P. 19-C, Fayette Co.; 5 rein.-con. bridges on Trenton-Kenton Rd., S. A. P. 175-D, Highway 41, Gibson Co.; 6 rein.-con. bridges, two 26 ft., five 34 ft., two 14 ft., and one 32 ft. spans, Gates-Ripley Rd., F. A. P. 39-C, Lauderdale Co.; 3 rein.-con. bridges, two 20 ft., and three 26 ft. spans, F. A. P. 39-B, Gates-Dyer Co. line Rd., F. A. P. 39-B, Lauderdale Co.; 1 rein.-con. and steel bridge, three 99 ft. steel spans and four 40 ft. rein.-con. approach spans over New River, S. A. P. 113-D, Scott Co. J. G. Creveling, highway comr.

Tennessee—See "Streets and Roads."

Michigan—Oct. 25, by State Hy. Dept., at office Comrs. Branch Co., Coldwater, constructing Bridge 120,101, one 35 ft. concrete girder, 160 cu.yd. concrete, 14,172 lb. steel. G. C. Dillman, Lansing, ch. engr.

Kan., Eldorado — See "Streets and Roads."

S. D., Pierre—Nov. 14, by State Highway Comn., Pierre, about 1,900 ft. high truss bridge over Missouri River. $400,000. F. D. Hudgins, ch. engr.

BIDS DECEIVED

Illinois—See "Streets and Roads."

Tex., Memphis—See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks., Sept. 22, for (a) Macy St. Viaduct over Los Angeles River, complete (b) west abutment river span, east abutment and approach, from T. Kelly & Sons, 601 Hillstreet Bldg., (a) $88,109 (b) $190,479. Noted Aug. 28.

Calif., Los Angeles — From T. Kelly & Sons, 601 Hillstreet Bldg., rein.-con. bridge, about 300 ft. long, 70 ft. wide, over Los Angeles River, on Los Felix Rd., 4,800 cu. yd. Class "A" concrete $18.70 per cu.yd., 875 cu.yd. Class "C" concrete $13.85, 9,200 cu.yd. earth fill $0.50, 1,550 cu.yd. wooden piling $0.66, total $153,229. Engrs. est. $140,000. Noted Sept. 25.

CONTRACTS AWARDED

Pa., Pittsburgh—Allegheny Co., c/o Dept. Pub. Wks., Court House, piers and approaches of new 6th, 7th and 9th St. Bridges over Alleghany River, to Foundation Co., 120 Liberty St., New York City, $1,157,299. Noted Oct. 9.

Del., Wilmington—New Castle Co. general contract 300 ft. steel girder bridge, concrete floor and lift span over Brandywine Creek, to McLean Contg. Co., Fidelity Bldg., Baltimore, Md., $94,000. Noted July 31.

O., Steubenville—Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., bridge over Ohio River, here, masonry only, to Dravo Contg. Co., Diamond Bldg., Pittsburgh. Engrs. est. $500,000.

Indiana — State Highway Comn., Indianapolis, **(S. R. means State Road, r.c.a. rein.-con. arch, r.c.g. rein.-con. girder, r.c.s. rein.-con. slab, s.t. steel truss, e.e. engrs. est.)**, one r.c.a. on S. R. 39-F, two r.c.a. on S. R. 34-B, Franklin Co., and one r.c.g. on S. R. 34-C, Fayette Co., to D. Y. Stout, Crawfordsville, $17,878, e.e. $19,857; two s.t. (substructure) on S. R. 16-G, Spencer Co., two s.t. (substructure), one r.c.s. on S. R. 16-E, one r.c.g. on S. R. 22-I, also one r.c.g. on S. R. 22-K, Crawford Co., to Frisch Constr Co., Jasper, $15,184, $30,963 and $16,046 respectively, e.e. $21,945, $58,385 and $20,988 respectively; one s.t. (substructure) and one r.c.a. on S. R. 16-F, Perry Co. also one s.t. (substructure) on S. R. 16-E, Crawford Co., to B. Seufert, Ferdinand, $29,766, e.e. $35,773; one s.t. (substructure) on S. R. 2-I, Whitley Co., and one r.c.g. on S. R. 2-K, Allen Co., to G. Jaap & Sons, Ft. Wayne, $11,208, e.e. $13,264; two s.t. (superstructures) on S. R. 16-G, Spencer Co., also one on S. R. 16-F, and 3 on S. R. 16-E, Perry and Crawford Counties, to Vincennes Bridge Co., Vincennes, $6,612 and $35,197 respectively, e.e. $8.351 and $46,406 respectively; one s.t. on S. R. 40-B, Switzerland Co., to Ellis & Scamahorn, Rockport, $23,492, e.e. $26,625; one s.t. on S. R. 40-B, Switzerland Co., to R. H. King, Danville, $66,517, e.e. $71,315; one s.t. on S. R. 40-B, Switzerland Co., to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $20,432, e.e. $24,191; one s.t. on S. R. 2-I, Whitley Co., to Elkhart Bridge & Iron Co., Elkhart, $4,831, e.e. $5,352. Noted Sept. 18.

Idaho—See "Streets and Roads."

Kan., Smith Center — Smith Co. Bridge No. 1, three 40 ft. girder spans, Bridge No. 2, two 20 ft. slab spans both 20 ft. roadway Federal Aid Project 193-B, to C. Beardslee, Lebanon, $10,456 and $4,006 respectively.

Neb., Trenton—See "Streets and Roads."

Tex., Cameron—See "Streets and Roads."

Tex., Valley Junction (Hearne P. O.)—A. F. Mitchell, engr., c/o City Hall, Cameron, 0.22 mi. steel and concrete bridge across Brazos River, on Federal Aid Project 282, to Wisconsin Bridge & Iron Co., North Milwaukee, Wis., for Milam Co. (Cameron), and Robertson Co. (Franklin). $162,219. Noted Sept. 18.

Oregon—State Hy. Comn., Salem, new bridge to take place old steel highway bridge and temporaary pile trestle over Umatilla River, Morrow Co., to Lundstorm & Fiegenson, Portland, $47,603.

Calif., San Diego — Constructing piers and abutments for 400 ft. steel truss bridge over San Diego River at Oldtown, to Sharp & Fellows Contr. Co., 533 Central Bldg., Los Angeles, $40,000.

Nova Scotia—Dept. Pub. Wks., Parliament Bldg., Ottawa, Ont., floating dredgwork in Lunenburg, to Acadia Contractors Ltd., Halifax, $27,500, in St. Marys River, to Halifax Dredging Co., Halifax, $35,100.

Quebec — Dept. Pub. Wks., Parliament Bldg., Ottawa, Ont., dredging in Pentecost River, here, to Canadian Dredging Co., Midland, Ont., $38,000.

Que., Quebec — Constructing bridge to Eastern Canada Steel Co., Quebec, $78,000, approaches to bridge to L. Dusseault, Gifford, $19,900. Engrs. est. $100,000. E. D. I. & L.

Ontario — Dept. Pub. Wks. Parliament Bldg., Ottawa, floating dredgwork in Cobourg, to Frontenac Dredging Co., 709 Continental Life Bldg., Toronto, $20,000. In Mitchells Bay to Chatham Dredging & General Dredging Co., Chatham, $18,000.

Ont., Echo Bay—Northern Development Branch, Provincial Hy. Dept., Parliament Bldgs., Toronto, concrete substructure 200

Bridges (Continued)

ft. steel truss bridge on concrete abutments, 20 ft. wide, here, to R. J. Lang, 201 McGregor Ave., Saulte Ste Marie.

Dams

PROPOSED WORK

Tex., Crystal City—Crystal City Irrigation Dist., c/o R. A. Taylor, chn., election Nov. 13, $200,000 bonds earthen and concrete reinforced dam across Nueces River. Terrell, Bartlett, Calcasieu Bldg., San Antonio, engrs. Noted Sept. 25.

Calif., San Diego—Election Nov. 18, $4,500,000 bonds to purchase land and construct dam and reservoir at El Capitan for water supply.

BIDS RECEIVED

Calif., Los Angeles — Los Angeles Co. Flood Control Dist., constructing concrete arch dam and appurtenant structures, tunnels, spillways, etc., in Big Santa Anita Canyon, from Ross Constr. Co., Oschner Bldg., Sacramento, $428,970. County to furnish cement, reinforcing and other minor materials. Noted June 12.

Calif., Los Angeles—Supervs. Los Angeles Co., Sept. 29, constructing arch concrete dam, etc., at place known as "The Narrows in Pacoima Canyon, from Brent Bros., 418 South Pecan St., $796,068. Noted Sept. 4.

CONTRACTS AWARDED

Mo., Hartville—City will build 260 ft. masonry and concrete dam, 13 ft. high, one story 20 x 24 ft. power house, 42 kva. water wheel, driven 3 phase, 60 cycle, 2,300 volt alternator, 25 hp. coal oil engine belted to 25 kva. alternator, switchboard, etc., by day labor. Alexander Eng. Co., 617 Woodruff Bldg., Springfield, engrs.

Railways

PROPOSED WORK

Wisconsin—Milwaukee Electric Railway & Light Co., Public Service Bldg., Milwaukee, plans 5 or 6 mi. electric line in Lake Twp. to connect owners Lakeside Power Plant with Chicago & Northwestern R.R. Co., for coal transportation. S. B. Way, ch. engr.

Oklahoma—Vinita, Bartlesville & Western R.R. Co. company just incorporated), Bartlesville, plans 150 mi. railroad from Vinita to Nowota, Bartlesville, Pawhuska, Ponca City and Pond Creek. S. M. Porter, Caney, Kan., ch. engr.

BIDS RECEIVED

California—Merced Irrigation Dist., Bancroft Bldg., Merced, H. P. Seargent, secy., relocating 17 mi. Yosemite Valley R.R. from Merced Falls to Detwiler, from United Commercial Co., 234 Steuart St., San Francisco, Schedule A, rails, spikes, tie plates, etc. $144,366, Schedule B, purchase from district materials in present road $20,004, Schedule C, ties and bridge timbers $60,398. Noted Sept. 25.

CONTRACTS AWARDED

Ontario — York Twp., 40 Jarvis St., Toronto, 2¾ mi. double track electric street railway on Oakwood and St. Clair Aves. to Eglinton Ave., and Oakwood Ave. and Rogers Rd. to Dufferin St., to Toronto Transportation Comn., Bd. Trade Bldg., Toronto. Engrs. est. $1,100,000.

Ontario—Toronto Transportation Comn., Bd. Trade Bldg., Toronto, will build ½ mi. double track railway on St. Clair Ave. E., 100 lb. rails, etc., in Toronto, by day labor. $150,000. D. W. Harvey, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

La., New Orleans—See "Sewers."

Ark., Jonesboro—D. D. 28, Craighead Co., soon takes bids 12 mi. drainage canals, etc. $65,000. Cobb & Lee, Jonesboro, engrs. Noted May 8.

Ont., Point Edward — Dept. Pub. Wks., Parliament Bldg., Ottawa, plans deepening channel 1,500 ft. long, 200 ft. wide, 75,000 cu.yd. dredging, here, 200 ft. wide, $30,000. K. M. Cameron, ch. engr.

BIDS DESIRED

N. Y., Rye—Oct. 30, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, 800,000 cu.yd. dredging at Manursing Island Park, here. J. Downer, ch. engr.; adv. E. N.-R. Oct. 16.

Calif., Merced — Oct. 23, by Directors Merced Irrigation Dist., 7,000 ft. 36 in., 2,130 ft. 33 in., 1,800 ft. 30 in., 3,400 ft. 27 in., 5,280 ft. 24 in., 2,400 ft. 20 in., 1,300 ft. 16 in. concrete pipe, also 50 yd. rein.-con. in gate boxes, 200 ft. concrete stand pipe. R. V. Meikle, ch. engr.

Ont., St. Catharines—Oct. 30, by J. W. Pugsley, secy. Dept. Rys. & Canals, Ottawa, constructing Sect. 7, Welland Ship Canal.

BIDS RECEIVED

New York—R. K. Fuller, comr. Canals & Waterways, Albany, excavating tail race for Vischer Ferry, power house, from Amer. Pipe & Constr. Co., Amsterdam, $138,040; Dunbar & Sullivan Co., Albany, $138,040. Noted Sept. 18.

CONTRACTS AWARDED

Mo., Cape Girardeau—Little River D. D., new and enlarged outlet channels, 5,352,000 cu.yd. clearing, etc., Contr. 32, to O. Kochtitzky, England, Ark., $784,000; 1,010,000 cu.yd. clearing, etc., Contr. 33, to J. D. Jones Constr. Co., Chillicothe, $104,000; 1,600 acres clearing, Contrs. 51 and 52, to C. A. Tant, Portageville, $104,300; 345 acres clearing, Contr. 53, to Crumpecker & Adams, Morehouse, $16,000. Noted Sept. 25.

Wash., Wenatchee—Riverside Irrigation Dist., laying under water 4,020 acres on shores of Okanogan River, construct dam, 23½ ft. high, 150 ft. long, on Okanogan River, 7 mi. from Riverside, also 15 mi. transmission line, etc., to G. Nelson, Seattle, $250,000. Actual irrigation system and pumps installed will cost $200,000 additional.

Ont., Blind River — Dept. Pub. Wks., Parliament Bldgs., Ottawa, 120,000 sq.yd. floating dredgework, here, to A. B. McLean & Son, Saulte Ste Marie, Ont., $43,000. Engrs est. $45,000.

Ont., Byng Inlet — Dept. Pub. Wks., Parliament Bldgs., Ottawa, 125,000 cu.yd. floating dredgework, here, to W. L. Forest, Goderich, Ont., $46,000. Engrs. est. $45,000.

Ont., Honey Harbor—Dept. Pub. Wks., Parliament Bldg., Ottawa, dredging in harbor and inlet, here, to Theophile Light Co., Penetanguishene, $236,000.

Streets and Roads

PROPOSED WORK

N. J., Edinburg (Trenton, P. O.) — Bd Freeholders Mercer Co. plans paving, etc. ¾ mi. Edinburg-Locust Corner Rd. $150,000. H. F. Harris, Court House, Trenton, engr.

Md., Baltimore — Municipal Dept. Pub. Impvts. making plans opening 2 mi. street, 100 ft. wide from Belair Rd. and Erdman Ave. to point on Philadelphia Rd., 700 ft. east of tracks Baltimore & Ohio R.R., which will open 170 acre site undeveloped land for use as factory sites. E. J. Hecker, city surveyor.

North Carolina—State Hy. Comn., Raleigh, received no bids Sept. 30, grading and asphalt surfacing 8.2 mi. State Project 151-B, Hyde Co., $165,740; grading and water-bound macadam surfacing 8.7 mi. State Project 967, Macon Co., $162,000. Will readvertise. Noted Sept. 11.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans grading and asphalt or concrete surfacing 12 or 14 mi. Lebanon-Nashville Pike, Wilson Co. Will probably mature in spring. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks. Nashville, making surveys grading and surfacing 12 mi. Columbia-Giles Co. line Rd., Maury Co. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, takes bids in December, grading, etc. 11 mi. Clinton-Campbell Co. line Rd., 18 ft., Highway 9, Anderson Co., 3 mi. Ooltewah-Bradley Co. line Rd., 18 ft., Highway 2, Hamilton Co., 1.3 mi. Morristown-Bulls Gap Rd., 18 ft., Highway 34, Hamblin Co., 4 mi. Bridgeport Rd. to Federal Aid Project 23, 18 ft. Highway 9, Cocke Co. J. G. Creveling, highway comr. Noted Oct. 9.

O., Akron—Summit Co. takes bids in spring, brick paving Twinsburg-Elyria Rd., $40,000, 4 mi. East Akron-Massillon Rd., $75,000, both 20 ft.; macadam paving Akron-Kelt Rd., $60,000; improving Roth-Rock Rd. from Cleveland-Massillon Rd. to Akron-Medina Rd., Coply Twp., $25,000; Akron-Canfield Rd., $50,000; resurfacing 6 mi. Akron-Medina Rd., $50,000; widening 5 mi. Akron-Wooster Rd., $40,000. R. Willems, Akron, engr.

O., Canton—Stark Co. plans improving 2 mi. Lincoln Highway, $40,000, 3 mi. Navarre-Berlin Rd. $125,000, 0.78 mi. Canton-Massillon Rd. $28,000, 2.5 mi. Canton-North Canton Rd. $125,000, 1.5 mi. North Canton-Cleveland Rd. $80,000, 2.5 mi. Canal Fulton-Akron Rd. $113,000, 3 mi. Canton-Alliance Rd. $135,000, all foregoing 18 ft; brick paving 1.5 mi. Minerva-Sandyville Rd., 20 ft., $60,000, 3.8 mi. Louisville-Westville Rd. $200,000, 2.5 mi. Crystal Park-Louisville Rd. $85,000, surfacing over present brick road, 5 mi. Canton-Stemenville Rd. $150,000; all foregoing 18 ft. A. M. Wise, Canton, engr.

O., Canton — Plans improving 1 mi. Belden Ave. N. E. and S. E., 40 ft., $40,000, 0.5 mi. 22nd St. N. W., 40 ft., $30,000, Clyde Pl. S. W., $25,000; grading, curbing, paving and laying sidewalks on 19th St. N. E., $45,000; widening ½ mi. Cleveland Ave. N. W., $30,000. W. E. Sarver, City Hall, engr.

O., Canton — Stark Co., plans during spring, resurfacing, 3 mi. I. C. H. 369, Waynesburg to Magnolia Rds., $40,000, resurfacing and widening 2 mi. Canton-Osnaburg Rd., $30,000, 1.5 mi. Canton-Louisville Rd., $35,000, improving 2.5 mi. Canal-Fulton-Akron Rd., $40,000, 1.5 mi. Canton-Cleveland Rd., $30,000, 2.5 mi. Canton-North Canton Rd., $50,000, 3 mi. I. C. H. 71 from Summit Stark Co., line to Crystal Springs, $50,000, 5 mi. I. C. H. 77, from Navarre to intersections of Main Highway north of Strasburg, $80,000, improving and concrete curbing 1.5 mi. Canton-Alliance Rd., $25,000, probably waterbound macadam paving, 4 mi. Harrisburg-Westville Rd., $50,000, all 20 ft. A. M. Wise, Canton, engr.

O., Canton—City plans during spring, improving 0.5 mi. Greenfield Ave., S. W., 40 ft., to exceed $25,000, 0.5 mi. 9th St. N. W., 50 ft., $25,000, 0.75 mi. 3rd St., N. E. 40 ft., $25,000, 0.5 mi. Warren Rd. N. E., 40 ft., $30,000, 1 mi. Sheverick Rd., S. E., 40 ft, $35,000, 0.5 mi. Superior Ave., N. E., 40 ft., $30,000; asphalt paving 1 mi. 5th St., 40 ft., $25,000, 0.75 mi. 13th St., N. W., 50 ft., to exceed $30,000, 0.75 mi. 15th St., S. W. 50 ft., $40,000; probably asphalt paving, 0.75 mi. Lafayette St., S. E., 40 ft., $35,000, 0.5 mi. 16th St., N. W. 50 ft., $30,000; probably brick paving Renald Ave., S. W., $25,000; resurfacing over brick with asphalt and pulling in stone curbing at intersections 0.5 mi. 2nd St., N. W. 40 ft., $25,000. W. E. Sarver, Canton, city engr.

O., New Philadelphia—Plans asphalt resurfacing and storm sewers in 0.5 mi. East Ave. from Front St. to old corporation line, 40 ft. $25,000. E. Stingel, New Philadelphia, engr.

O., New Philadelphia—Tuscarawas Co. plans cindering 2 mi. roadway from New Comerstown to Urichsville, 18 ft., $25,000, and widening 3 mi. New Philadelphia-Stone Creek Rd., 14-18 ft., $30,000. E. Stingel, New Philadelphia, engr.

Michigan—State Hy. Dept., Lansing, rejected bids grading and surfacing 3.106 mi. State Trunk Line Rd. 53-13 B, Macomb Co. Noted Oct. 2.

Mich., Detroit — Making plans paving with 3½ in sheet asphalt on 8 in. concrete 4,590 sq.yd. Oakman Ave. $22,950, 4,160 sq.yd. Eastlawn Ave. Sect. 1 $20,800, 7,560 sq.yd. Wykes Ave. $37,820, 2,930 sq.yd. Kentucky Ave. Sect. 4 $14,660, 850 sq.yd. Monica Ave. Sect. 2 $4,280, 940 sq.yd. Oregon Ave. $4,730, 9,630 sq.yd. McGraw Ave. Sect. 1 $48,150, also paving with one course concrete 14,150 sq.yd. 8 alleys $36,398. G. Jerome, city engr.

Kan., Abilene—Soon takes bids paving 20 blocks various streets. $50,000. W. E. Calkins, city clk.

Kan., Columbus—Cherokee Co. constructing 2.768 mi. Chetopa Rd., also gravel surfacing 1.041 mi. Sherman City Rd., withdrawn. Noted Aug. 28.

Kan., Pleasanton—Soon takes bids grading and paving or repaving with brick on concrete 1.25 mi. Laurel, 12th, Main, 6th, Holly and other streets. $35,000. F. E. Devlin, Bitting Bldg., Wichita, engr. Noted Aug. 14.

Mo., Albany—Voted $50,000 bonds paving various streets. $50,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs. Noted Sept. 18.

Mo., Aurora—Alexander Eng. Co., engrs. 517 Woodruff Bldg., Springfield, making preliminary plans and takes bids about Nov. 1, paving 25,000 sq.yd. various streets here, for City.

Mo., Aurora—Making preliminary plans grading, curbing and hard surfacing 25,000 sq.yd. various streets. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

Mo., Springfield — Making preliminary plans grading, curbing and concrete paving 8,344 sq.yd. Lombard St. from New to Lexington Sts. and Atlantic St. from Bway. to Kansas Sts. $25,000. G. W. Culler City Hall, engr.

Tex., Boston—Bowie Co. soon takes bids scarifying, reshouldering and rein.-con. surfacing 3 mi. (Bates Sect.). New Boston-Texarkana Rd., 18 ft. $85,000. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Streets and Roads (Continued)

Tex., **Carthage**—Panola Co. making plans grading and bridging 6.77 mi. State Highway 8, 18 ft. $80,000. Titus & Dillon, co. engrs.

Tex., **Fairfield** — Freestone Co. having plans prepared concrete paving 6.85 mi. State Highway 7 from here to point 3 mi. east of Teague, 18 ft. $250,000. J. E. Johnson, co. engr. Noted June 26.

Tex., **Hemphill**—Sabine Co. voted $75,000 bonds road work. W. A. French, co. engr.

Tex., **Karnes City**—Karnes Co., making plans grading and bridging 9.05 mi. State Highway 16, through Rd. Dist. 3, 18 ft. $59,000. O. N. Powell, city engr.

Tex., **Munday**—Postponed paving various streets until Spring. $25,000 bonds voted and approved by Attorney General. Montgomery & Ward, City Natl. Bank Bldg., Wichita Falls, engrs. Noted June 12.

Tex., **Navasota** — Plans permanent paving Washington St. from present paving to Judson St. $30,000. H. B. Stoneham, mayor. Engineer not selected.

Tex., **Quanah**—Making plans paving 11 blocks West 7th St. and Eddy Ave. $30,000. Elrod Eng. Co., 3124 Main St., Dallas, engrs.

Tex., **San Antonio** — Bexar Co. making plans gravel resurfacing 6 mi. Gonzales Rd., 18 ft. $25,500. R. E. Killmer, acting co. engr.

Tex., **Sherman** — Grayson Co. election Oct. 18, $45,000 bonds improving Pottsboro Rd. Dist. H. M. Scott, Denison, co. engr.

Okla., **Lawton**—Comanche Co. postponed election of $400,000 bonds improving 100 mi. roads. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Aug. 28.

Okla., **Okmulgee** — Plans improving 14 blocks Sterling Blvd., 20,000 sq.yd. concrete, 8,900 lin.ft. curbing, 7,100 cu.yd. excav. $71,000. W. C. Carpenter, Okmulgee, engr.

Okla., **Wetumka** — Plans grading and paving 7 blocks Bway., Dist. 2, 12,000 sq.yd. vertical fibre brick, 8,000 lin.ft. curbing, 3,000 cu.yd. excav. $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., **Yukon** — Plans paving 5 blocks Main St., 50-76 ft., 9,500 sq.yd. concrete, 3,000 lin.ft. curbing, 3,000 cu.yd. excav. $35,000. Engineer not selected.

Calif., **Chico** — Plans paving 60 blocks various streets. Former contract rescinded. Noted July 3.

Calif., **Compton**—Plans election $40,000 or more bonds paving Long Beach Blvd.

Calif., **Oakland**—Made plans improving Pleasant St. between Fruitvale Ave. and Champion St., 1,261 cu.yd. excav., 726 lin. ft. concrete curbing, 1,452 sq.ft. concrete guttering, 10,103 sq.ft. oil macadam paving, 4,352 sq.ft. concrete sidewalks, etc., East 18th St. between 34th and 35th Aves., 17,936 sq.ft. grading, 801 lin.ft. concrete curbing, 1,602 sq.ft. concrete guttering, 11,965 sq.ft. oil macadam paving, 2,699 sq.ft. concrete sidewalks. W. W. Harmon, city engr.

Calif., **Roseville**—Made plans improving various streets, 232,000 sq.ft. grading, 301,000 lin.ft. 2, 4½ and 5 in. Willite concrete paving, 10,000 lin.ft. combination curb and gutter, 34,000 sq.ft. sidewalks, etc. J. W. Meredith, city engr.

Calif., **Santa Ana**—Orange Co. plans improving approximately 5 mi. road between Bradford and Chapman Aves. east to Kraemer Ave., thence to Richfield Blvd., etc. To exceed $100,000. J. M. McBride, rd. comr.

Calif., **San Francisco**—See "Unclassified."

Calif., **San Diego**—Supervs. San Diego Co., election Nov. 4, $275,000 bonds paving Descanso-Julian Highway and $125,000 bonds paving Escondido-Ramona Highway.

Calif., **Seal Beach**—Made plans concrete surfacing on 3.5 in. asphaltic concrete Ocean Ave. To exceed $50,000. W. Hill yard, city engr. Noted Oct. 2.

Ontario — Providence Ontario Northern Development Branch making surveys 350 mi. trunk auto road from Port Arthur to Winnipeg, macadam. $2,000,000. C. H. Fullerton, Parliament Bldgs., Toronto, ch. engr.

Ontario—Northern Development Branch Provincial Hy. Dept., Toronto, making surveys trunk road from North Bay to Cobalt, 20 ft. $1,000,000. C. H. Fullerton, Parliament Bldg., Toronto, ch. engr.

Ont., **Hamilton**—Making plans concrete paving Dundurn St. $35,000. W. L. McFaul, city engr.

Ont., **Orillia**—Making plans paving Peter St. 8,500 sq.yd. bituminous concrete on concrete, 6,000 lin.ft. concrete curb and 6,000 lin.ft. concrete gutter. $40,000. James Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., **Birch Cliff**—Provincial Hys. Dept. and Scarboro Twp. plans 20,000 sq.yd. asphalt paving with 10,000 lin.ft. concrete curbs and gutters from Danforth Ave. to Kingston Rd. here $79,900. G. Hogarth, 110 University Ave., Toronto, engr.

Ont., **Niagara Falls** — Plans vitr. brick block resurfacing 9,000 sq.yd. River Rd. from Erie to Queen Sts. $25,000. T. S. Scott, City Hall, engr.

BIDS DESIRED

Conn., New Haven—Taking bids repaving Gold St., and portion of Chapel St. $25,000. E. S. Nettleton, City Hall, engr.

N. Y., Brooklyn—Oct. 22, by E. Riegelman, boro pres., Boro Hall, curbing and flagging where necessary East 26th St.; permanent asphalt paving on 6 in. concrete East 35th St., Herzl, 65th, 81st, 43rd, 76th, 84th and East 5th Sts., 12th and Brooklyn Aves.

N. Y., New York—Oct. 23, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., setting curb, laying sidewalks and crosswalks, etc., Johnson, Hollywood, Rosedale and Thieroit Aves.; grading, etc., East 112th St. and Astor Ave.

N. Y., New York—Oct. 24, by J. Miller, pres. Manhattan Boro., Municipal Bldg., improving Riverside Dr., and constructing stairway on Riverside Dr. at West 160th St., grading, curbing and flagging West 214th St. and Indian Rd.

N. J., Freehold—Oct. 22, by Twp. Com., Library Bldg., gravel surfacing on slag Elton-Adelphia Rd., Monmouth Co. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Oct. 16.

Pennsylvania — Nov. 2, by Dept. Hys., Harrisburg, **(R. means Route and A. Application)**, rein.-concrete surfacing, etc., 26,617 ft. R. 221, Cambria Co., 45,232 ft. R. 97, Elk and McKean Counties, 53,578 ft. R. 275, Perry Co., 5,354 ft. A. 3177, Tioga Co., 26,546 ft. R .241, Wyoming Co. P. D. Wright, secy. highways.

Pennsylvania — Nov. 3, by State Dept. Hys., Harrisburg, constructing 26 mi. various projects in 6 counties. P. D. Wright, secy. highways; adv. E. N.-R. Oct. 16.

Maryland — Oct. 21, by State Rds. Comn., Baltimore, concrete paving 1.65 mi. Oldtown Rd. from end Contr. A-21 toward Patterson Depot, Contr. A-26, Alleghany Co. J. N. Mackall, chn.; adv. E. N.-R. Oct. 16.

S. C., Chesterfield—Oct. 28, at office Bd. Comrs. Chesterfield Co., grading and sand clay surfacing 5.7 mi. State Route 35, State Project S-538. Address State Highway Engineer, Main St., Columbia.

S. C., Edgefield—Oct. 25, at office Edgefield Co. Highway Comn., grading and topsoiling 4.8 mi. State Route 21, Federal Aid Project 230 A. Address State Highway Engineer, Main St., Columbia.

S. C., Ehrhardt—Nov. 5, at office Town Clerk, complete waterworks incl. distribution system, 10 in. well approximately 600 ft. deep, 75,000 gal. tank on tower, etc. Ryan Eng. Co., Arcade Bldg., Columbia, engrs.

S. C., Moncks Corner—Oct. 20, at office Berkeley Co. Hy. Comn., grading, clay surfacing and bridging 11.1 mi. State Route 31, State Project S-517. W. C. Cathey, Scoville Bldg., Orangeburg, engr.

S. C., Walterboro—Oct. 22, at office Colleton Co. Rd. Comn., grading, sand clay surfacing and bridging 14.5 mi. State Route 6, Federal Aid Project 57, to be let in two sections. W. C. Cathey, Scoville Bldg., Orangeburg, engr.

S. C., Winnsboro—Oct. 24, grading, clay surfacing and topsoiling 2 sections State Route 16, Federal Aid Projects 213-B and S-531. State Hy. Dept., Columbia, engrs.

Fla., Lake Wales—Oct. 23, by J. F. DuBoise, city clk., laying cement sidewalks. $54,000.

Louisiana—Nov. 4, by State Hy. Dept., Reymond Bldg., Baton Rouge, paving 2½ mi. Dixie-Scotland section of Baton Rouge-St. Francisville Highway, 18 ft., Warrenite, bitulithic, asphaltic concrete, sheet asphalt, Trinidad Lake asphalt, or rein.-con. J. M. Fourmy, ch. engr.

Tennessee—Oct. 31, by State Dept. Hys. & Pub. Wks., Nashville, grading, etc., 3.85 mi. Bodenham-Lawrence Co. line Rd., 16 ft., State Aid Project 180, Highway 15, Giles Co.; grading and gravel surfacing 7.54 mi. Waynesboro-Hardin Co. line Rd., 16 ft., incl. several rein.-con. bridges, Highway 15, Wayne Co.; earthworth approaches to bridge over New River, State Aid Project 113, Highway 31, Scott Co. J. G. Creveling, highway comr.

Tenn., Knoxville — Oct. 20, widening Union Ave., 2,073 sq.yd. each asphalt and concrete, 1,730 lin.ft. curbing, 871 ft. sidewalks, 1,175 cu.yd. excav. A. Harris, dir. Pub. Serv.

O., Columbus—Oct. 21, by W. H. Duffy, dir. Pub. Serv., grading and laying necessary water services and sewer connections and paving, 3,065 ft. Burgess Ave. 26 ft., brick $54,700, asphalt $42,800, 533 ft. Eden Ave., 24 ft., brick $9,132, asphalt $7,754, 320 ft. Alley North Bryden Rd., 16 ft., brick, $1,931, concrete $1,724.

Minn., St. Paul—Oct. 20, by Bd. Comrs. Ramsey Co., grading and gravel surfacing 1 mi. Road A-2, from west county line to Cleveland Ave., 16,400 cu.yd. earth, 50 cu. yd. loose rock and 25 cu.yd. solid rock excav., 2,860 ft. guard rail, 646 ft. 12- to 24-in. corrugated metal culvert pipe, 794 cu.yd. graveling material, etc. G. J. Ries, aud.

Kan., El Dorado—Oct. 24, by W. Blair, clk. Butler Co., at Court House, improving 6.609 mi. Federal Aid Project 205-A, B, C and E, 33,572 cu.yd. earth and 9,964 cu. yd. rock excav., 20,489 cu.yd. borrow, 6,532 ft. guard rail, 4,716 ft. hedge grub, 21,530 lb. reinforcing, also 5 bridges. H. D. Barnes, co. engr. Noted Sept. 4.

Kan., Holton—Nov. 7, by Clerk Jackson Co., grading, etc. 6.17 mi. Federal Aid Project 251-A, 28 ft., 440 cu.yd. concrete culverts, 1,992 ft. guard rail, 4,200 ft. hedge grub, 43,140 cu.yd. excav., 31,600 lb. reinforcing, 856 ft. rein.-con. pipe; 1.925 mi. Federal Aid Project 251-D, 375 cu.yd. concrete culverts, 550 lin.ft. gutter, 24,293 cu.yd. earth and 880 cu.yd. rock excav., 1,700 cu.yd. channel change, 30,000 lb. reinforcing, etc. P. W. Wright, Holton, engr.

Kan., Oskaloosa — Oct. 21, by Clerk Jefferson Co. improving Federal Aid Project 220-C, 1,951 cu.yd. excav., 5,019 lb. reinforcing, 52 lin.ft. 18 in. vitr. clap pipe, 7,031 sq.yd. concrete, rein.-con., vibrolithic concrete or brick paving, 4,288 lin.ft. curb and gutter, etc. R. C. Ham, Oskaloosa, engr.

Mo., Clayton—Oct. 22, by R. Jablonsky, engr. St. Louis Co., Court House, grading and telford macadam surfacing 13,831 ft. Tieman Ave., Chambers and Old Florissant Rds., 18 ft. $40,000.

Tex., Marshall—Oct. 23, by J. W. Scott, judge Harrison Co. bituminous macadam surfacing 16.19 mi. State Highway 15, State Aid Project 522, 18 ft. $75,000. W. J. Warren, co. engr. Noted Oct. 9.

Tex., Tyler—Taking bids permanent paving various streets. $150,000. L. H. Powell, Tyler, engr.

Tex., Waco—Oct. 30, by G. D. Field, city secy., paving 93,000 yd. various streets, alternates accepted. $250,000. V. G. Koch, city engr.

Okla., Wewoka—Oct. 22, by D. R. Fraser, city clk., grading and paving 4 blocks Church St., Dist. 3, 2,200 sq.yd. vertical fibre brick, 2,400 ft. curb and gutter, 1,100 cu.yd. excav. $27,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

BIDS RECEIVED

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Oct. 7, grading, curbing and sidewalks on Liebig Ave., from Spedero & Turriamo, 3185 East Tremont Ave., $9,674, McClellan St. and Rodman Pl., from L. DiMinna, 2366 Lorrilard Pl., $2,059 and $1,410 respectively; Barker and Crosby Aves., from Bronx Sewer Constr. Co., 375 East Fordham Rd., $3,111 and $18,530 respectively; 212th St. from F. Gabrielle, 1129 8th Ave., $3,130; Laconia Ave., from O'Connell & Strada, 3318 Olinville Ave., $28,872; Paulding Ave., from Interboro Asphalt Co., 2306 Creston Ave., $12,929; Yates Ave., from J. V. Timoney Constr. Co., 220 East 201st St., $8,387. Noted Oct. 2.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, grading and concrete paving Hylan Blvd., from Colgan & Colgan, 90 William St., New York, $144,803. Noted Oct. 9.

North Carolina—State Hy. Comn., Raleigh, **(S. P. means State Project)** grading, etc., 5.4 mi. S. P. 111, Camden Co., and 6.4 mi. S. P. 117, Currituck Co., from N. L. Teer, Durham, $37,000 and $37,458 respectively; grading and concrete or asphalt paving 5.1 mi. S. P. 106-B, Bertie Co., from F. J. McGuire, Norfolk, Va., $151,968; 13.4 mi. S. P. 791-B, Yadkin Co., from L. L. Tindall, Waterford, Wis., $49,528, 6.2 mi. S. P. 662-B, Richmond Co., from Noll Constr. Co., Charlotte, $180,251; 11 mi. S. P. 404-B, Chatham Co., from Hagedorn Constr. Co., Greensboro, $307,702; 9.5 mi. S. P. 276, Sampson Co., from Hudson & Scruggs, Wilmington, $168,246; grading and gravel clay surfacing 14.1 mi. S. P. 390, Robeson Co., from G. Ginn, Inc., Gastonia, $65,339; grading and topsoiling or gravel surfacing 7.8 mi. S. P. 440, Harnett Co., from Larender Bros., Earl, $34,867. Noted Sept. 11.

South Carolina—See "Bridges."

S. C., Greenville—Greenville Co., plain concrete surfacing 6.4 mi. Greenville-Greer Highway, from J. M. Gregory & Co., Columbia, $230,495. Noted Sept. 25.

Ohio — Dept. Highways & Pub. Wks., Columbus Oct. 3, grading, bridging and paving roads with **(a)** asphaltic macadam

Streets and Roads (Continued)

(b) tar macadam (c) concrete, (d) Kentucky rock asphalt (1) 7.66 mi. Sect. "D" Deshler-Findlay Rd., (2) 3.11 mi. Sect. "F" Ottawa-Grand Rapids Rd., (3) 4.007 mi. Sects. A, "B" and "Holgate" Holgate-Miller City Rd., all Henry Co. (4) 3.059 mi. Sect. "H" Ripley-Hillsboro Rd., Highland Co., from Pettibone & Graves, Lakeside, (a1) and (b1) $25,390 each (d2) $93,260; from Frost Constr. Co., Findlay, (c1) $26,700, from J. H. Johnson Co., Toledo, (a2) and (b2) $81,886 each, from Creager Bros., Liberty Center, (a3) and (b3) $87,231 each, from Seneca Constr. Co., Kansas, (d3) $103,907; from Newell & Smith, Defiance, (c3) $95,825; from B. F. Bolin, 1149 Neil Ave., Columbus, (a4) $72,565 (b4) $73,215; surfacing 1.18 mi. Sect. "A" Delphos Wapakoneta Rd., Auglaize Co., from J. Richardson, Hume, $7,167; grading 511.8 mi. Sect. "I-I" Mansfield-Millersburg Rd., Holmes Co., from Baker & Baker, Loudenville, $1,042; bridges on Sects. "B" and "F" and culvert on Sect. "G" Piqua-Urbana Rd., Champaign Co., from E. J. Tipton, Middletown, $708 and $692 respectively; culvert on Sect. "G" Piqua-Urbana Rd., Champaign Co., from C. Bird, Springfield, $402.

O., Shaker Heights (Cleveland P. O.)—Grading North Park Blvd., Chesterton, Shelburn and Sherbrod Rds., from R. J. Burke Co., Hunkin-Conkey Bldg., Cleveland, $47,627.

Michigan — State Hy. Dept., at office Comrs. Case Co., Cassopolis, grading and surfacing 0.625 mi. State Trunk Line Rd. 60-8, concrete, from G. H. Kimmerle, Cassopolis, $19,936. Noted Oct. 2.

Michigan — State Hy. Dept., Lansing, grading Federal Aid Project 92 Sects. A and B, 6 mi. in Saginaw Co., and 2.7 mi. in Bay Co., from Kalamazoo Constr. Co., Kalamazoo, $382,291.

Michigan — State Hy. Dept. at office Comrs. Oakland Co., Pontiac, grading 4.24 mi. State Trunk Line Rd. 10-39 B, from W. H. Knapp Co., Monroe, $60,712.

Mich., Detroit—From Detroit Asphalt Paving Co., 909 Free Press Bldg., grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 8,600 sq.yd. Dexter Blvd., Sect. 3, $17,732 and 5,700 sq.yd. Coplin Ave. $28,462; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 7,490 sq. yd. Dexter Blvd., Sept. 1, $36,811, 9,800 sq.yd. Linwood Ave., $40,728; from Cooks Asphalt Paving Co., 1260 Penobscot Bldg., Conant Ave., Sect. 1, $18,118.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 3,910 sq.yd. Burlingame Ave. $19,542, 11,950 sq.yd. Plymouth Ave. Sect. 1 $59,712, 2,500 sq.yd. Cunston Ave. $12,-264, 20,770 sq.yd. Harper Ave. Sect. 1 $91,-335, 2,760 sq.yd. Ashland Ave. $13,850; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 4,200 sq.yd. Indiandale Ave. $20,321; from M. R. Hanna Co., 1636 Dime Bank Bldg., 3,500 sq.yd. Lawton Ave. Sect. 2 $17,300.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Oct. 3, concrete paving 1.85 mi. Route 12, Combination A, Sects. 22 and 23. 18 ft., Clinton Co., from Wabash Constr. Co., Vincennes, Ind., $41,-581, 1.15 mi. Route 24, Sect. 10, 18 ft., Sangamon Co., from Alzina Constr. Co., Unity Bldg., Springfield, $29,895, one 60 ft. span concrete bridge on Route 29, Sect. B, Peoria Co., from I. D. Louis, Bloomington, $8,919; one 40 ft. span and one 80 ft. substructure for steel bridge, Route 29, Sects. 3-B and 4-B, Marshall Co., from A. P. Munson, Marion, Ia., $4,824 and $8,630 respectively, one 80 ft. span steel superstructure on Route 29, Sect. 4-C, Marshall Co., from Illinois Steel Bridge Co., Jacksonville, $5,199.

Tex., Houston—Paving Almeda Rd. from Holman St. to city limits, from Smith Bros., Amer. Exch. Bank Bldg., Dallas, $130,700. Engrs. est. $135,000.

Tex., Memphis—Hall Co., grading and bridging 11.86 mi. State Highway 18, State Aid Jroject 473-C, 18 ft., from Austin Bridge Co., 1815 Clarence St., Dallas, $61,-136. Engrs. est. $80,166. Noted Sept. 25.

Tex., Sweetwater — Nolan Co., grading 15.22 mi. State Highway 1, Federal Aid Project 444-B, 26 ft., from Brown-Abbott Co., Inc., 819 Wilson Bldg., Dallas, $29,483. Engrs. est. $37,800.

Colorado — State Hy. Dept., Denver, crushed rock surfacing 2.897 mi. Federal Aid Project 262-C, Costillo Co., from C. M. Emerson & Sons, Hugo, $23,219; gravel surfacing 3.54 mi. Federal Aid Project 213-A, La Plata Co., from Honoker & Hanson, Cortex, $40,423.

Colo., Denver—Social Service—Trinity Methodist Episcolpal Church, 1800 Bway., had plans prepared by Marean & Norton, Chamber Commerce Bldg., 3 story and basement (ultimately 12 story), 100 x 125 ft., rein.-con. and steel, plain foundation, Bway. and 18th Sts. $175,000.

Oregon—State Hy. Comn., Salem, grading, 6.2 mi. Nimrod Sect. of McKenzie Pass Highway, 60 ft. right-of-way, Lane Co., from Motor Investment Co., Portland, $40,025.

Calif., Glendale — Improving portion of Western Ave., etc., 215,247 sq.ft. grading, 177,956 sq.ft. 5 in. macadam paving, guttering and curbing, 3,184 lin.ft. 8 in. vitr. sewer, etc., from E. L. Fleming, 324 West Dryden Ave., $33,054. Noted Oct. 2.

Calif., Los Angeles — Grading, paving, sidewalks, etc., on Owensmouth Ave., from H. W. Richardson, Los Angeles, $62,575, Rosenberg Pl., 100 sq.ft. asphalt or concrete, 6,853 sq.ft. bituminous macadam, 167 ft. curb, 691 sq.ft. gutter, 173 sq.ft. sidewalks, etc., from Los Angeles Paving Co., 2900 Santa Fe St., $2,130; improving Sargent Pl., 41,301 sq.yd. concrete, 130 sq.yd. remodeled oil surfacing, 3,281 ft. curb, etc., from R. K. Smith, 1124 South St. Andrews Pl., $20,206, Floram St., from Baker & Vigus, Los Angeles, $5,500, improving Nebraska Ave., 1,844 ft. curb and 9,240 ft. sidewalks, from O. M. Patton, 1542 East 23rd St., $2,475; grading, paving, remodeling, oiling, sidewalks, sewers, etc., in 63rd Pl., from W. Liddington, 420 East 60th St., $7,677, 19th St., from L. E. Davis, 861 West 57th St., $7,038, McCodden Pl., from G. R. Curtis Paving Co., 2440 East 26th St., $9,760, Fries Ave., from G. H. Oswald, 366 East 58th St., $40,195. Noted Aug. 21.

Calif., Monterey—Improving portion of Lighthouse Ave., 207,310 sq.ft. paving, from Clark & Henery Constr. Co., Chancery Bldg., San Francisco, approximately $51,295. Noted Apr. 17.

Calif., Monterey—Grading and surfacing Hawthorne St., 124,220 sq.ft. 2.5 in. asphaltic concrete (Willite process), 13,750 sq.ft. 1.5 in. on 3.5 in. asphaltic concrete (Willite process), etc., from Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $31,675.

Calif., Pasadena—City Council, improving Green St. between Marengo and Hill Aves., from Griffith Co., Railway Bldg., Los Angeles, $277,650. Noted Oct. 2.

Calif., San Diego — Common Council, Sept. 29, improving Ohio St., 128,803 sq.ft. 1½ in. Warrenite on 4 in. concrete, 56 lin. ft. concrete curbing, from G. R. Daley, 4430 Boundry St., $30,952. Noted Aug. 14.

CONTRACTS AWARDED

Conn., Naugatuck — Rein.-con. paving various streets, to T. J. Fleming, 27 Chestnut Ave., Waterbury. Engrs. est. $25,000. Noted Sept. 25.

N. Y., New York—Granite block repaving West 3rd St. and West End Ave., to Asphalt Constr. Co., 208 Bway., $31,517 and $42,568 respectively; regulating and sheet asphalt paving East 111th St., to J. E. Gaffney, 50 East 42nd St., $30,970. Noted Oct. 9.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing and sidewalks on Liebig Ave., to Spedero & Turriamo, 3185 East Tremont Ave., $9,674, McClellan St. and Rodman Pl., to L. DiMinna, 2366 Lorrilard Pl., $2,059 and $1,410 respectively; Barker and Crosby Aves., to Bronx Sewer Constr. Co., 375 East Fordham Rd., $3,111 and $18,530 respectively; 212th St. to F. Gabrielle, 1129 8th Ave., $3,130; Laconia Ave., to O'Connell & Strada, 3318 Olniville Ave., $28,872; Paulding Ave., to Interboro Asphalt Co., 2306 Creston Ave., $12,929; Yates Ave., to J. V. Timoney Constr. Co., 220 East 201st St., $8,387. Noted Oct. 2.

Pa., Phila. — Bureau Hys., Dept., Pub. Wks., to Union Paving Co., 30th and Locust Sts., asphalt paving Day St. $6,921, Tulip St. $8,838, to Municipal Paving Co., 632 Kater St., redressed granite block repaving 24th St. $6,364; to M. J. McCrudden, 1134 Real Estate Trust Bldg., improving Warden Dr. $12,033; to Staley & Morris, Inc., 2009 Market St., furnishing and delivering electric hoist, $1,148. Noted Oct. 2.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 7.78 mi. Greenwall-Springs Rd., East Baton Rouge Parish, to C. R. White, Centerville, Miss., $48,193. Noted Oct. 2.

La., Abbeville—Grading and graveling 7 mi. Dist. 2 Vermilion Parish, to Lafayette Constr. Co., Abbeville, $21,199. Noted Oct. 2.

O., Cleveland—Improving East 177th St., 6,550 sq.yd. vitr. brick paving on concrete, 3,910 lin.ft. stone curbing, 4,290 lin.ft. 4 in. drain tile gutter, 3,940 cu.yd. earth excav., to Gould & Maybach, 16311 Saranec Rd., $37,429; West 130th St., 8,850 sq.yd. vitr. brick on concrete, 4,780 lin.ft. stone curbing, 5,240 lin.ft. 4-in. drain tile gutter, 5,800 cu.yd. rock excav., to R[illegible] Bros. Paving & Constr. Co., 7002 Den[illegible] Ave., $48,789; West 112th St., and East [illegible]rd St., 14,050 sq.yd. asphalt on concrete, [illegible]50 lin. ft., stone curbing, 10,180 lin.ft., 4-in. drain tile gutter, 9,580 cu.yd. earth excav., to Highway Constr. Co., 903 Lorain [illegible] Bank Bldg., Elyria, $39,737 and $29,319 respectively; West 117th St. and East [illegible]th St., 30,865 sq.yd. asphalt on concrete, [illegible]630 lin. ft. stone curbing, 16,240 lin.ft. 4-in. drain tile gutter, 16,000 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, $115,854 and $46,169 respectively; East 119th and 132nd Sts., 8,640 sq.yd. vitr. brick on concrete, 5,760 lin.ft. stone curbing, 6,040 lin.ft. 4-in. drain tile gutter, 5,405 cu.yd. earth excav. to Rieley Bros., The Arcade, $15,369 and $32,194 respectively; Thornton Court and West 103rd St., to Baldwin Bros., 4500 Euclid Ave., $8,952 and $4,129 respectively; East 160th St., to H. G. Herring, 316 The Arcade, $7,271. Ottawa Rd. to Enterprise Paving & Constr. Co., 8436 Bway., $22,503.

O., Newark—Asphalt paving Summit and North 22nd Sts., to Federal Asphalt & Paving Co., Main and D Sts., Hamilton, $25,-126, and $25,274, respectively. Engrs. est. $30,000 and $28,000 respectively.

Michigan — State Hy. Dept. at office Comrs Tuscola Co., Bay City, grading and surfacing 5.376 mi. Federal Aid Project 90 B, to C. Milne, Saginaw, $167,511.

Michigan — State Hy. Dept. at office Comrs. Wexford Co., Cadillac, grading and concrete paving 2.986 mi. State Trunk Line Rd. 13-54, to Hersey Gravel Co., Hersey, $69,596. Noted Oct. 2.

Michigan — State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, grading and surfacing 0.84 mi. State Trunk Line Rd. 13-50 B, 20 ft., to Vander Veen Constr. Co., Grand Rapids, $38,761. Noted Oct. 2.

Michigan — State Hy. Dept. at office Comrs. Bay Co., Bay City, grading and concrete paving 7.92 mi. Federal Aid Project 90 A, to Hersey Gravel Co., Hersey, $258,621.

Michigan — State Hy. Dept. at office Comrs. Osceola Co., Hersey, grading and surfacing 0.654 mi. State Trunk Line Rd. 66-12 A, to Geneva Constr. Co., North Bradley, $18,928. Noted Oct. 2.

Michigan — State Hy. Dept. at office Comrs. Gratiot Co., Ithaca, grading and surfacing 5.002 mi. State Trunk Line Rd. 46-27, to T. McNally, Saginaw, $145,293. Noted Oct. 2.

Michigan — State Hy. Dept. at office Comrs. Gratiot Co., Ithaca, grading and surfacing 6.415 mi. State Trunk Line Rd. 14-30, to A. Jeffrey, Saginaw, $200,652. Noted Oct. 2.

Michigan — State Hy. Dept. at office Comrs. St. Clair Co., Port Huron, grading and concrete surfacing 1.038 mi. State Trunk Line Rd. 27-22, to J. H. Baker & Sons, Port Huron, $27,947.

Michigan — State Hy. Dept., at office Comrs. Wayne Co., Detroit, grading and surfacing 0.966 mi. State Trunk Line Rd. 53-18, to Wayne Co. Rd Comn., Detroit, $56,057. Noted Oct. 9.

Mich., Detroit—Paving with one course 6 in. concrete 15,580 sq.yd. in 10 alleys, to Wolverine Constr. Co., 400 Penobscot Bldg., $38,173.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, grading road on Route 4, Sect. 26-A, Sangamon Co., to D. C. Gahan, Springfield, $4,963, Route 29, Sect. M-4, Peoria Co., to Cameron, Joyce & Co., Keokuk, Ia., $15,917; paving Route 1, Sect. 3-X, White Co., to Madison Constr. Co., Edwardsville, $11,835.

Ill., Crystal Lake—Improving Dist. 1. 84,000 sq.yd. Warrenite bitulithic paving, etc., to McCarthy Impvt. Co., foot of Myrtle St., Davenport, $277,526. Engrs. est. $288,338. Noted Oct. 9.

Wis., Milwaukee — Dept. Pub. Wks., vibrolithic concrete paving 1st and 6th Sts., to J. Bluhm & Son, 1298 Achilles Pl., $25,-099, Townsend and West 19th Sts., to Kroening Constr. Co., 39th Ave. and Mitchell St., $12,098; concrete paving 1 alley, to F. Hilderbrand, 1040 23rd Ave., $3,879, 1 alley, to Ryback & Sandowski, 1092 2nd Ave., $3,245, 2 alleys, to Schwerm Bros., 50 Lee St., $5,849, 2 alleys, to Parkinson Constr. Co., 322 27th St., $3,739, 2 alleys to F. Blodgett, 521 Newton Ave., $5,788.

Ia., Des Moines — Polk Co., improving Federal Aid Project 220, to Wright Constr. Co., 211 Flynn Bldg., 11,998 cu.yd. excav. at $0.50 cu.yd., and 70 cu.yd. at $0.85, 177,196 sq.yd. paving $2.42 intakes $75.00 and $85.00 each, 15 in. pipe $0.30 and 18 in pipe $0.15; to C. Lautsen, Nevada, 11,000 ft. tile $0.138, 1,000 ft. 8 in. tile $0.198, and 1 intake $25.00.

Ia., Marshalltown—Marshall Co. improving 21.236 mi. Federal Aid Project 211-A, C. G. and I, 234,240 sq.yd. 8 in. concrete

Streets and Roads (Continued)

paving, 74,131 cu.yd. excav., 510 ft. 12 in. tile, 6 tile intakes, 28 single and 34 double intakes, etc., to Anderson & Empire, Marshalltown, $500,824.

Ia., Sibley—Osceola Co. gravel resurfacing 8.5 mi. Primary Road No. 9, near here, to Huff & Wiuff, Armstrong.

Kan., Olathe—Johnson Co. grading and bituminous macadam surfacing 1.185 mi. Porter Rd., 18 ft., to J. L. Miller Constr. Co., Kansas City, Mo. Noted Oct. 2.

Neb., Plattsmouth — C. R. Sayles, clk. Cass Co., gravel surfacing, etc. 8 mi. Federal Aid Project 107 A, Cass Co., to Koehler Lumber & Coal Co., Sterling, $20,240. Engrs. est. $30,000. Noted Sept. 18.

Neb., Trenton—B. Vastine, clk. Hitchcock Co., Sept. 26, grading, etc. 3.7 mi. McCook-Trenton Rd., Federal Aid Project 68 D, to C. T. Whalen, North Platte; and one 20 x 23 ft. creosoted timber bridge and culverts, to Diamond Eng. and Constr. Co., Grand Island. Noted 18.

Montana — State Hy. Comn., Helena, grading, 3 mi. Bozeman Hill section of Yellowstone Trail, Federal Aid Project 166-A, Park and Gallatin Counties, 52,000 cu.yd. unclassified and 7,000 cu.yd. rock excav., 6,000 sta.yd. overhaul, etc., to H. Downer, Clyde Park, $24,753. Noted Sept. 11.

Mo., Moberly—Two course sheet asphalt paving 7,300 sq.yd. Clark and 4th Sts., to Brodges Asphalt Co., Pontiac Bldg., St. Louis. Engrs. est. $25,000.

Arkansas—State Hy. Dept., Little Rock, grading and gravel surfacing 4.719 mi. Federal Aid Project 180-A, 18 ft., and 4.008 mi. Federal Aid Project 179-A, 16 ft., both Poinsett Co., to W. A. Morrison, Empire Bldg., Memphis, Tenn., $39,359 and $11,877 respectively, gravel furnished by state $19,000 and $18,000 respectively; 4.053 mi. Federal Aid Project 192A, 16 ft., and 2.613 mi. same road, Lee Co., to W. D. Banker Constr. Co., 1042 North Parkway, Memphis, Tenn., $27,373 and $22,654 respectively, gravel furnished by state, $18,000 and $9,000 respectively. Noted Sept. 25.

Tex., Amarillo — Paving 1 mi. Fravees Highway, State Highway 33, to Texas Willite Road Co., P. O. Box 1514, Houston, $39,900. Engrs. est. $40,000.

Tex., Cameron—Milam Co., grading and graveling 2 mi. State Highway 44, 18 ft., incl. 192 ft., steel truss bridge across Little River, etc., to Thomas & Ratcliff, Rogers, $123,786.

Tex., Dallas—Paving 10,500 yds. Mercedes St. from Delmar St. to Old Greenville Rd., to Central Bitulithic Co., Praetorian Bldg., curbing and guttering same, to Kline Bros., 422 North Walton St. $37,000.

Tex., San Antonio—Bexar Co., reconstructing 8.16 mi. Precinct 4 from underpass on Southern Pacific Ry. near here to Converse, 18 ft., to Colglazier & Hoff, 910 Austin St., $110,610.

Okla., Holdenville—Grading and paving 9 blocks North Burgess St., 13,600 sq.yd. concrete, 5,800 ft. curbing, 4,600 cu.yd. excav., to E. H. Locker, Okmulgee, $47,111. Engrs. est. $50,000.

Okla., Ponca City — Improving Paving Dists. 47 and 48, also Sewer 50, to R. H. Baldwin, Ponca City, $29,389, $1,346 and $394 respectively.

Okla., Wetumka—Grading and paving 11 blocks Main, St. Louis, Bway. and Frisco Sts., 25,325 sq.yd. vertical fibre brick, 6,790 lin.ft. curbing, 3,800 lin.ft. gutter, etc., to Park & Moran, Box 622, Okmulgee, $114,793. Engrs. est. 121,939. Noted Oct. 2.

Idaho—Dept. Pub. Wks., Bureau Highways, at Lewiston, grading and broken stone surfacing, etc., 2.71 mi. North and South Highway between Lapwai and Spalding, Federal Aid Project 67 A, Nez Perce Co., to Quillen & Son, Clarkston, Wash., $27,145; at Boise, two 47 x 20 ft. span concrete skew bridge over South Fork of Coeur d'Alene River, between Wallace and Mullan, Federal Aid Project 73-B, to S. Orino, Wallace, $17,573.

Oregon—State Hy. Comn., Salem, to J. W. and J. R. Hilstrom, Marshfield, improving 4.76 mi. Roosevelt Highway, 60 ft. right-of-way, Curry Co., all clearing and grubbing $4,500, 3 acres extra clearing and grubbing $0.250, 63,000 cu.yd. single class excav. $0.40, 22,000 cu.yd. reinforcing bars $0.07, etc., total $45,645.

Oregon—State Hy. Comn., Salem, grading, etc., 3.07 mi. Otter Rock section Roosevelt Highway, 60 ft. right-of-way, Lincoln Co., to J. Hampshire, Grants Pass, $136,550; concrete paving 0.57 mi. Cottage Grove, North Pacific Highway, 18 ft., Lane Co., to K. L. Hall, Eugene, $15,575.

Calif., Eureka—Supervs. Humboldt Co., constructing 4.1 mi. road between Pauls Point and Pattens, to F. H. Green, Eureka. $24,975. Noted Oct. 2.

Calif., Hawthorne—Grading walks, gutters, etc., on Eucalyptus and Ramona Aves., to Curtis Paving Co., 2440 East 26th St., Los Angeles, $91,550.

Calif., Los Angeles—To J. L. McClain, 3452 West Slawson Ave., concrete paving, remodeling, etc., Baudry Ave. $27,435; to Griffith Co., 502 Los Angeles Ry. Bldg., asphaltic concrete and Warrenite bituminous surfacing Burlington Ave. $39,365, Mariposa Ave. $8,588, Boyce Ave. $37,198, Saratoga St. $6,557; to Los Angeles Paving Co., 2900 Santa Fe Ave., improving 15th St. $8,331; to P. F. Martter, Los Angeles, improving Crocket St. $9,382. Noted Aug. 21.

Calif., San Rafael—Supervs. Marin Co., asphaltic concrete paving 106,780 sq.ft. road between Manor and Whites Hill, to Pacific States Constr. Co., Call Bldg., San Francisco, approximately $30,000. Noted Oct. 2.

Calif., Santa Monica—Bitulithic on asphaltic concrete paving, and c.i. mains in Pennsylvania Ave., to Kneen Paving Co., Dudley Block, $33,715.

Calif., Stockton — Supervs. San Joaquin Co., improving 3.45 mi. Upper Sacramento Rd., to W. Moreing, Harris Bldg., $37,422. Noted Oct. 9.

Calif., Ventura—Ventura Co. will pave road between Ojai and Grand Aves., 3,340 lin.ft. 16 and 5 in. asphaltic macadam, by day labor.

Ont., Kingsville — Essex Co. concrete paving 2,000 sq.yd. Main St. in Kingsville, Division Rd. in Gasfield S. Twp. and 18,300 sq.yd. to Cadwell Sand & Gravel Co., Windsor, Ont. $42,558. Engrs. est. $50,000.

Ont., North Bay—Concrete surfacing on gravel various sidewalks, to Gartshore & Billington, North Bay, $25,000. Noted Sept. 25.

Ont., Toronto — To Warren Bituminous Paving Co., 54 University Ave., bitulithic paving 2,000 sq.yd. Spring St. $9,836, 1,700 sq.yd. Stacey St. $7,251; to Kilmer & Barber, 10 Adelaide St. E., asphalt paving 1,650 sq.yd. Orchard Park Blvd. $7,800; to Constructing & Paving Co., Confederation Life Bldg., 4,000 sq.yd. Carlaw Ave. $4,507, to Grant Contg. Co., 50 Front St. E., concrete curbs on Glebholme Blvd. $0.81 per lin.ft., and to Asphaltic Concrete Co., Excelsior Life Bldg., $0.82; to Dept. Pub. Wks., by day labor, brick, block paving 1,900 sq.yd. Golfview Ave. $9,537, asphalt paving 500 sq.yd. Jane St. $2,056, concrete curbs on Glenview Ave. $0.84.

Ont., Uxbridge—Concrete paving 1,500 sq.yd. main streets, 24 ft., to W. L. Malcolm, Kingston, $38,151.

Ont., Walkerville — Concrete paving Wyandotte St., to Merlo, Merlo & Ray, Ford City. Engrs. est. $35,000.

Buildings—Industrial

PROPOSED WORK

Mass., Woburn—Repair, etc.—Woburn Developing Corp., c/o F. H. Gowing, archt., 101 Tremont St., Boston, plans 2 story and basement, 40 x 175 ft., brick repair and service garage, etc., Federal St. $90,000.

Mass., Worcester — Factory — Morgan Constr. Co., 14 Belmont St., having plans prepared 1 story, 150 x 250 ft., brick, plain foundation, Belmont St., $65,000. Private plans.

Conn., Norwalk — Plant — New Haven Dairy Co., 201 Hazel St., New Haven, plans remodeling and constructing ice plant addition, Knight St. $40,000.

N. Y., Brooklyn — Laundry — Colonial Laundry, 16 Lexington Ave., Brooklyn, soon takes bids 4 story, rein.-con. and brick, plain foundation, 16 Lexington Ave. $300,000. McCarthy & Kelly, 159 Remsen St., engrs.

Ga., Dublin — Mill, Store and Plant — Southern Pulp & Naval Stores Co., 42 Bway., New York City, preparing plans (1st unit) 50 ton pulp mill, and (2nd unit) 50 ton pulp mill here. $1,000,000. Stebbins Eng. Co., Light & Power Bldg., Watertown, N. Y. engrs.

Ala., Bessemer—Plant—Harbison-Walker Refractories, Farmers Bldg., Pittsburgh, made plans clay and brick plant, here. Private Plans.

Tenn., Knoxville—Mill—Attix Hosiery Co., 729 North Central St., plans 3 units, 2 story, 32 x 90 ft. mill. $40,000. Engineer and architect not selected.

O., Cleveland—Factory and Warehouse—Widlar Co., C. W. Brandt, pres., 722 Bolivar Rd., plans 2 story, 90 x 160 ft., and 3 story, 60 x 200 ft., brick and steel additions, Berea Rd. $150,000. Engineer and architect not selected.

O., Columbus—Power Plant—Columbus Railway, Power & Light Co., plans new plant 10 mi. south of here, furnishing 100,000 kw.

O., Urichsville—Factory—Clay City Pipe Co. plans 3 story 120 x 240 ft., steel and concrete factory. $200,000.

Mo., Mountain Grove—Plant—Mountain Grove Power Co. had plans prepared electric plant. Alexander Eng. Co., 617 Woodruff Bldg., Springfield, engrs. $75,000.

Mo., Perryville — Factory — Chamber of Commerce making preliminary plans 3 story factory, to be used by International Shoe Co., 15th St. and Washington Ave., St. Louis. $100,000. Private plans.

Mo., St. Joseph — Cold Storage — M. K. Goetz Bremig Co. having plans prepared by E. R. Mein, 4 story and basement, 55 x 63 ft., rein.-con. and brick addition.

Tex., Port Arthur—See "Waterworks."

Calif., Alameda—Plant, etc.—J. H. Baxter & Co., Amer. Bank Bldg., San Francisco, plans creosote plant, lumber and coal yard. $250,000. Engineer and architect not selected.

Calif., Los Angeles — Sub-Station — See "Unclassified."

Calif., Oakland—Factory—Laher Auto Spring Co., 167 Hayes St., San Francisco, purchased site and plans 1st unit of factory, Magnolia and 26th Sts. 50,000.

Calif., Oakland—Ice Plant—Consumers Ice Co., 436 8th St., San Francisco, making preliminary plans for ice plant, Cotton and Livingston Sts. $75,000. Engineer and architect not selected.

Calif., San Francisco — Factory—Alcone Knitting Mills, 447 Washington St., having plans prepared by S. Heiman, 57 Post St., 5 story and basement, rein.-con., Mission St. $175,000.

Calif., San Francisco—Plant—The Bulletin, 767 Market St., having preliminary plans prepared by Ashley & Evers, 58 Sutter St., 6 story and basement, rein.-con. publishing plant, Mission St. near 4th St. $500,000.

Ont., Toronto—Tannery—A. R. Clarke & Co., Ltd., 633 Eastern Ave., plans 2 story and basement, rein.-con., brick and steel, plain foundation, Eastern Ave. $150,000. Engineer and architect not selected.

BIDS DESIRED

O., Cleveland—Factory—Novelty Lamp & Shade Co., 2490 East 22nd St., taking bids 4 story and basement, 60 x 60 ft., brick and steel, 2400 East 22nd St. $40,000. Noted Sept. 25.

O., Cleveland—Shop—Carey Machine Co., 5606 Curtiss Ave., taking bids 1 story, 90 x 122 ft., brick and steel. Cassin Ave. $50,000. E. McGeorge, 3030 Euclid Ave., engr. Noted Oct. 2.

Ill., Mt. Vernon—Foundry—Mt. Vernon Car Mfg. Co., taking bids 1 story, 303 x 478 ft., brick and steel. Neiler, Rich & Co., 431 South Dearborn St., Chicago, engrs.

Wis., Milwaukee—Factory—H. J. Esser, archt., 82 Wisconsin St., taking bids 3 story, 52 x 400 ft., brick and timber, plain foundation. Owner's name withheld.

Wis., Waukesha — Factory — Quality Aluminium Casting Co., c/o A. C. Pankratz, mgr., Lincoln Ave., taking bids 1 story, 100 x 152 ft. addition, plain foundation, Lincoln Ave. To exceed $40,000. Private plans. Noted Apr. 10.

Colo., Colorado Springs—Plant—Wood & Weber, engrs., Tramway Bldg., Denver, taking bids steam plant to be part light and power plant, also installing 1,000 kw. hydro plant, for City. $500,000.

CONTRACTS AWARDED

Me., Wilton—Plant—Wilton Woolen Co., 1 story and basement, 42 x 55 ft., brick and steel, hydro-electric plant, plain foundation to H. Purlington Co., Waterville. Archts. est. $40,000. Noted July 10.

Mass., Walpole — Storehouse — Bird & Son, Inc., 1 and 2 story, 65 x 450 ft., brick and timber, to J. A. Munroe, North Attleboro. Archts. est. $155,000.

Mass., Watertown—Factory—M. S. Kondazian, 112 Shawmut Ave., Boston, 3 story, 75 x 210 ft., brick and steel, Coolidge Hill Rd., to Joslin & Landry, 107 Massachusetts Ave., Boston. Archts. est. $100,000.

R. I., Woonsocket — Mill — Glenbrook Worsted Mills, 1 story and basement, 105 x 120 ft., rein.-con. and steel, plain foundation, Mason St., to Rowley Constr. Co., 260 Central Ave., Pawtuck. Archts. est. $40,000.

Conn., New London — Factory — New London Ship & Engine Co., 1 story, 60 x 200 ft., steel, incl. 150 x 350 ft. outside crane, to Berlin Constr. Co., Berlin. Archts. est. $55,000.

Pa., Greensburg—Factory—W. F. Overly & Sons, general contract 2 story and basement, 35 x 90 ft. addition, West Otterman St., to Cavalier Constr. Co., Pittsburgh and Madison Sts. Archts. est. $40,000.

Buildings—Industrial (Continued)

S. C., Union—Weave Shed—Exelsior Cotton Mills, brick and timber, plain foundation, to H. J. Howitz, Greenville. Engrs. est. $40,000. Noted Sept. 18.

Tenn., Nashville—Plant—G. Cole Motor Co., 9th Ave. N., 2 story, brick, concrete and steel, repair plant, to H. P. Jacobs & Co., Independent Life Bldg., $90,000.

Wis., Green Bay—Mill—Western Lime and Cement Co., 68 Wisconsin St., Milwaukee, 2 story, 68 x 70 ft., brick and concrete, plain foundation, to Jorgensen Constr. Co., Denmark. Archts. est. $40,000.

Wis., Madison—Plant—Madison Gas and Electric Co., 100 North Fairchild St., 2 story, 40 x 60 ft., rein.-con., brick and steel, plain foundation, to J. H. Findorff Co., 601 West Wilson St. Engrs. est. $40,000.

Wis., Marshfield—Cannery—Oconomowoc Canning Co., Oconomowoc, concrete work 3 story, 52 x 128 ft. main factory, 3 story, 82 x 128 ft. warehouse, and 2 story, 50 x 52 ft. cookroom, brick and timber, plain foundation, to Felhofer Bros., Marshfield. Archts. est. $60,000.

Wis., Racine — Factory — National Machinery & Tool Co., 1325 16th St., 1 story, 40 x 100 ft., brick and mill, 16th St., to W. Fergus, 1119 Irving Pl.

Wis., Racine—Factory—Wright Rubber Products Co., Layard Ave., 2 story, 42 x 60 ft., brick and timber addition, plain foundation, Layard Ave., to G. Kamm, 518 College Ave. Archts. est. $40,000.

Mo., Hartville — Power House — See "Dams."

Calif., Los Angeles — Plant — Medford Chemical Co., 749 South San Pedro St., 3 story, 50 x 150 ft., rein.-con., Sacramento St., to J. M. Cooper, Marsh-Strong Bldg.

Ont., Toronto—Plant—Grinnell Co. of Canada, Ltd., 2440 Dundas St. W., general contract 1 and 2 story, steel, galvanizing plant, concrete foundation, to Anglin Norcross Ltd., Temple Bldg.; structural steel, to Dominion Bridge Wks., Imperial Life Bldg. Engrs. est. $150,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—Apartment—G. W. Harvey, 115 Chauncy St., Boston, making plans 10 story and basement, brick and stone, 22-24 Ashburton Pl. To exceed $150,000. Private plans.

Mass., Boston—Temple—Massachusetts Grand Lodge I. O. O. F., G. H. Fuller, secy., plans temple. $1,000,000.

Mass., Cambridge (Boston P. O.)—Repair and Service Garage—J. F. White, 54 Ellerey St., plans 1 story, 150 x 240 ft., rein.-con., Mt. Auburn St. and University Rd. $150,000. G. F. Fitzgerald, 418 Bway., engr.

Mass., Lowell—Court House—Commonwealth of Massachusetts, Middlesex Co. Comn., Cambridge, having revised plans prepared by C. R. Greco, 11 Beacon St., Boston, 2 story and basement, rein.-con. and brick, Hurd St., here. $200,000. G. H. Huey, 6 Beacon St., Boston, engr. Noted June 12.

Mass., Pittsfield — School — Bd. Educ., plans school, $150,000. Engineer and architect not selected.

Mass., Worcester—Hotel—Hotel Bancroft Co. having plans prepared by H. L. Stevens, 522 5th Ave., New York City, 10 story and basement, steel addition. $600,000.

Conn., South Norwalk — Exchange — Southern New England Telephone Co., c/o R. W. Foote, archt., 185 Church St., New Haven, having plans prepared, 3 story and basement, 35 x 40 ft., rein.-con. and steel addition, plain foundation. $150,000.

N. Y., Brooklyn—Service and Home—German Evangelical Aid Society, Bushwick Ave. and Moffatt St., soon takes bids 4 story, brick, steel and stone, plain foundation, Bushwick Ave. and Chauncey St. $300,000. J. W. Schmidt, 334 5th Ave., New York City, archt. Noted Aug. 14.

N. Y., Glens Falls—Hospital—Warren Co. voted $200,000 bonds, tuberculosis hospital, brick and timber, plain foundation, and camp, Gurney Lake, 5 mi. north of here. G. F. Doyle, Glens Falls, engr.

N. Y., New York — Apartment—Caretta Bros., c/o L. Piscotta, archt. and engr., 563 East Tremont Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, Prospect Ave. $175,000.

N. Y., New York—Apartment—Fourteen Hundred Eighty Ave. Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., having plans prepared 5 story, 100 x 162 ft. brick, steel and stone, plain foundation, Shakespeare Ave. $200,000.

N. Y., New York—Church—Wadsworth Ave. Baptist Church, L. F. Regna, pastor, c/o Ludlow & Peabody, archts. and engrs., 101 Park Ave., soon takes bids brick, steel and stone, plain foundation, Wadsworth Ave. $200,000.

N. Y., New York—High School—Roman Catholic Archdiocese of New York, 462 Madison Ave., soon takes bids 8 story, brick, steel and stone, plain foundation, Lexington Ave. and 50th St. $750,000. R. J. Reiley, 50 East 41st St., archt. and engr.

N. Y., New York—Hotel—Savoy Hotel, 767 5th Ave., had plans prepared by McKim, Mead & White, 101 Park Ave. 37 story, 200 x 300 ft., steel, brick and stone, plain foundation, 5th Ave. and 59th St. $17,000,000. H. G. Balcom, 16 East 47th St., engr.

N. Y., New York—Hotel—City Constr. Corp., C. Newmark, pres., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared brick, steel and stone, plain foundation, Morningside Dr. and 119th St. $1,000,000.

N. Y., New York—Office—Consolidated Gas Co., 130 East 15th St., having plans prepared by Warren & Wetmore, 16 East 47th St., 4 story, 100 x 145 ft. brick, steel and stone, plain foundation, 19-25 Audubon Ave. $500,000.

N. Y., New York—Office and Lofts—W. H. English, 120 Bway., soon takes bids 15 story, brick, steel and stone, plain foundation, Lafayette, Reade, Elm and Duane Sts. $2,750,000. H. C. Severance, 36 West 44th St., archt.

N. Y., New York—School—Bd. Educ., 500 Park Ave., had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 86, 5 story, 75 x 195 ft., brick, steel and stone, plain foundation, Reservoir Ave. and West 195th St. $950,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 72, 3 story, 80 x 195 ft., brick, steel and stone, plain foundation, Dewey Ave. $550,000.

N. Y., Troy—Club—Troy Masonic Hall Assn., plans 125 x 130 ft., rein.-con., brick and steel masonic temple with auditorium, etc., plain foundation, Third St., $1,000,000. Engineer and architect not selected.

N. Y., Troy—Storehouse—Union Furniture Co., 269 River St., plans 6 story, 68 x 90 ft., rein.-con., brick and steel, concrete pile foundation, Front St., with bridge connecting above 3rd floor. $145,000. Engineer and architect not selected.

N. Y., Woodside (Ind. Sta. Flushing)—Theatre and Stores—Woodburn Realty Co., 409 Pearl St., New York, having plans prepared by E. DeRosa, archt. and engr., 110 West 40th St., New York, brick, steel and stone, plain foundation 59th St. and Woodside Ave. $500,000.

N. J., Camden—Bank—Parkside Trust Co., Haddon and Kaighn Aves., having plans prepared Simon & Simon, 249 South Juniper St., Phila., Pa., new bank, Haddon and Kaighn Aves. $200,000.

N. J., Newark—Apartment—H. R. Van Duyne having plans prepared by Kelley & Tuttle, 244 Madison Ave., New York City, 8 story, brick and stone, plain foundation, Mt. Prospect and 2nd Aves. $700,000.

N. J., Newark—School—Bd. Educ., City Hall, soon takes bids 2 story, brick and stone, addition plain foundation Richelieu Terrace. $200,000. F. S. and S. E. Sutton, 102 Broad St., archts.

N. J., Newark—High School—Bd. Educ., City Hall, Broad St., soon takes bids, 3 story, brick, steel and stone, plain foundation, Van Buren St. $250,000. J. F. Cook, Union Bldg., archt.

Pa., Phila. — Alumni — Girard College Alumni, 1502 Poplar St., plans 5 story and basement, 30 x 100 ft., brick and steel, plain foundation. A. J. Bibighaus, 530 Hamilton St., Allentown, engr.

D. C., Brookland — Library — Catholic University had plans prepared by Murphy & Olmstead, 1413 H St. N. W., library. $1,000,000.

W. Va., Parkersburg—High School—Bd. Educ. had plans prepared by T. H. McLaughlin, 610 Savings Bldg., Lima, O., 3 story, high school. Election in November $450,000 bonds for above project.

La., Shreveport — Warehouse — Caddo Transfer & Storage Co., soon takes bids 8 story, rein.-con. warehouse. $225,000. Marr & Holman, Stahlman Bldg., Nashville, Tenn., archts.

O., Cincinnati—Church—Antioch Baptist Church, 956 West 9th St., having plans prepared by W. A. Rayfield & Co., 105 Ave. A, Birmingham, Ala., 2 story, rein.-con., and brick plain foundations, 9th St., $150,000.

O., Hume—School—Bd. Educ. Shawnee Twp. Allen Co., plans election in November to vote $150,000 bonds, for 2 story brick and concrete school. Engineer and architect not selected.

O., Lakewood (Cleveland P. O.)—Church—Lakewood Christian Church, W. A. Edwards, chn. building com., 17415 Detroit Ave., plans 2 story, brick, steel and stone church and Sunday school, Detroit and Roycroft Aves. $150,000. Engineer and architect not selected.

O., Mansfield — Home — Comrs. Richland Co., plans election in November to vote $210,000 bonds for 2 story, county home site near here. V. Redding, Mansfield, Archt.

O., South Euclid—High School—Election Nov. 4, $400,000 bonds 2 story and basement, brick, steel and concrete high school. Engineer and architect not selected.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., had plans prepared by McGrath, Dohmen & Page, 2231 Park Ave., 2 story and basement, 100 x 214 ft., rein.-con., brick and steel, plain foundation, Canfield and Newport Aves. $300,000.

Mich., Iron River—High School—Bd. Educ. having plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 3441 Cass Ave., Detroit, and D. E. Anderson, associated archt., Iron River, 3 story and basement, brick, plain foundation. Election Oct. 21. $300,000 bonds for project.

Wis., Milwaukee—Apartment and Store—M. Miller, 216 West Water St., having plans prepared by M. Tulligren & Sons, 425 East Water St., 3 story and basement, 62 x 116 ft., brick and timber, plain foundation, Maryland Ave. $160,000.

Wis., Montreal — High School — School Bd., E. Gibbons, clk., having preliminary plans prepared by C. J. Anderson, Ironwood, Mich., Junior High School, 2 story, brick and tile, plain foundation. $175,000.

Ia., Cedar Falls — Gymnasium — Iowa State Teachers College takes bids about Oct. 20, 2 story, 90 x 150 ft., rein.-con., brick and stone. $150,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Neb., Kearney—School—Voted $250,000 bonds for school. Engineer and architect not selected. Noted Sept. 11.

Neb., Omaha—Hospital—Swedish Immanuel Hospital c/o O. G. Chinlund, pastor, 3342 Meredith Ave., had plans prepared by H. C. Petreson, 406 Finance Bldg., 4 story and basement addition, 34th St. and Meredith Ave. $200,000. Noted May 29.

N. D., Bismarck—Court House—Burleigh Co. election Nov. 4, $300,000 bonds, court house. F. J. Johnson, co. aud.

Mo., Carthage—Hospital—Hospital Assn. had sketches made by Hoit, Price & Barnes, 800 Davidson Bldg., Kansas City, 2 story and basement, rein.-con., brick and stone addition. $150,000.

Mo., Hartville — Hydro-Electric Plant — City plans hydro-electric plant. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

Mo., Independence—Schools—Bd. Educ. takes bids about Oct. 20, 2 story and basement, 120 x 384 ft., and 60 x 102 ft., rein.-con., brick and stone. $200,000. Owen, Payson & Carswell, 505 Interstate Bldg., Kansas City, archts.

Mo., Jefferson City—High School—Bd. Educ., takes bids in November, 3 story and basement, 115 x 190 ft., rein.-con., brick and stone. $300,000. Owen, Payson & Carswell, 506 Interstate Bldg., Kansas City, archts.

Mo., St. Louis — Medical College — St. Louis University, Grand and West Pine Blvds., having preliminary plans prepared 4 story and basement, rein.-con., brick, steel and stone. $1,000,000. Private plans.

Mo., St. Louis—Office and Exchange—Southwestern Bell Telephone Co., Bway. and Locust St., soon lets contract 28 story and basement, rein.-con., brick, stone and steel, Pine, 10th, Chestnut and 11th Sts. $5,000,000. Knight Eng. Co., Wainwright Bldg., engrs. Mauran, Russell & Crowell, Chemical Bldg., archts. Noted June 12.

Mo., St. Louis—School—St. Mary Magdalene Parish, c/o J. J. Thompson, 4917 Sutherland Ave., having preliminary plans prepared by H. P. Hess, 1237 North Taylor St., and W. P. McMahon, Title Guar-

Buildings—Commercial (Continued)

anty Bldg., 2 story and basement, 130 x 180 ft., rein.-con., brick and stone, Kingshighway and Sutherland Ave. $175,000.

Tex., Harrisburg—School—J. S. Deady, pres. School Bd. and L. A. Glover, archt., Binz Bldg., Houston, soon takes bids school. $350,000. Noted Sept. 25.

Okla., Enid — Depot — Atchison Topeka & Santa Fe Ry., Arkansas City, Kan., had plans prepared 2 story, 60 x 140 ft., brick, plain foundation, Garfield St., here. $150,000. F. H. Frailey, c/o Owner, engr.

Okla., Guthrie—Business—H. L. Parker, Ponca City, having plans prepared by E. L. Gahl, Guthrie, 2 story and basement, 100 x 160 ft., brick, plain foundation, Harrison St. $155,000.

Colo., Denver — Hotel — E. Huntington, Hotel Ayres, having plans prepared by H. J. Manning, Majestic Bldg., 4 story, 125 x 170 ft., 1428 Logan St. $303,000.

Nev., Reno—College—University of Nevada having plans prepared by F. J. De-Longchamps, Gazette Bldg., brick, mathematics, chemistry and physics building, on campus. $175,000.

Ore., Portland — Theatre and Office — Benmis & Herzog, archts., Chamber of Commerce Bldg. takes bids in spring, 8 to 10 story, 200 x 200 ft., concrete and steel, Bway, Salmon, Park and Main Sts., for Jensen & Von Herberg, Liberty Theatre Bldg. $2,000,000.

Calif., Berkeley—Gymnasium—University of California, 708 15th St., having plans prepared by B. Maybeck & J. Morgan, Merchants Exchange Bldg., San Francisco, 3 story, rein.-con., on campus. $450,000.

Calif., Berkeley—Theatre and Store—F. Athens, c/o J. T. Narbett, archt., 910 MacDonald Ave., Richmond, having plans prepared, steel and rein.-con., Bancroft Ave. $150,000.

Calif., Burlingame — Store and Hotel — Kuhn & Edwards, archts., 985 Market St., San Francisco, making preliminary plans, 4 story and basement, rein.-con. construction, $150,000. Owner's name withheld.

Calif., Del Monte—Hotel—Del Monte Properties Co., 620 Market St., San Francisco, plans rebuilding hotel, recently destroyed by fire. To exceed 1,000,000. Engineer and architect not selected.

Calif., Galt—High School—Galt Joint High School Dist., Galt., having plans prepared by Davis-Heller-Pearce, Inc., Delta Bldg., Stockton, 1 story, brick and concrete high school. $150,000. Noted Oct. 2.

Calif., Oakland — Arcade — T. Carney, 1970 Bway., plans approximately 10 story, Class "A," Bway., Grand Ave., Webster and 23rd Sts.

Calif., Oakland — Schools — City voted $9,600,000 bonds, constructing new and additions to old schools. E. K. Sturgis, city clk.

Calif., San Diego — Hospital, etc. — Supervs. San Diego Co. election Nov. 4, $491,000 bonds for extending and improving institutions, incl. hospital, etc.

Calif., San Francisco—Apartment—Corporation being organized having plans prepared by H. C. Smith, Humboldt Bank Bldg., 12 story and basement, Class "A," Jackson and Steiner Sts. $550,000.

Calif., San Francisco — Apartment — A. Burgren, archt., 110 Sutter St., prepared plans 6 story and basement, brick and steel, Jones and Maiden Lane Sts. $150,000. Owners name withheld.

Calif., San Francisco—Office—Firemans Fund Insurance Co., 401 California St., having preliminary plans prepared by Weeks & Day, 315 Montgomery St., 8 story and basement, Class A, Sansome St. $300,000.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by Ward & Blohme, 454 California St., Lafayette School, fireproof. $5000,000 or more.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by Meyer & Johnson, 742 Market St., Henry Durant School, fireproof. $500,000 or more.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by J. Reid, Jr., First Natl. Bank Bldg., Hearst-Moulder School fireproof. $500,000 or more.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by G. A. Applegarth, Claus Spreckels Bldg., Edison School, fireproof. $500,000 or more.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by Weeks & Day, 315 Montgomery St., Hawthorne School, fireproof. $500,000 or more.

Calif., San Francisco—Theatre—Ackerman & Harris, Phelan Bldg., plans fireproof theatre, 4,000 seating capacity, Market St. and Van Ness Ave. $1,000,000.

Calif., San Francisco — Warehouse and Office—Baker-Hamilton & Pacific Co., 7th and Townsend Sts., having sketches made by Weeks & Day, 315 Montgomery St., rein.-con., Brannan and Beale Sts. $1,000,000.

Calif., Santa Barbara—Hotel—F. Seward, archt., 3869 West 6th St., soon lets contract, 4 story, 71 x 166 ft., brick, State and Mason Sts., for L. White, c/o architect. $180,000.

Calif., Santa Monica—Apartment—F. H. Heep, having plans prepared by R. L. Jones, 311 South Western Ave., Los Angeles, 8 story and basement, 80 x 125 ft., Class A construction, Ocean Front.

Calif., Stockton — Exhibition — San Joaquin Co. plans election $200,000 bonds constructing fireproof fair buildings. E. Graham, co. clk.

Calif., Venice — City Hall — City plans election $175,000 bonds for City Hall.

Ont., St. Thomas—School—Bd. Educ., soon takes bids 20 room school, brick, concrete, terraza, tile and steel, concrete foundation. $200,000. D. R. Franklin, 587½ Yonge St., Toronto, archt.

Ont., Timmins — Theatre — L. Mascoli & P. Bardessono having plans prepared by A. H. Cederburg, Timmins, 1 and 2 story and basement, 60 x 80 ft., brick, concrete and steel, plain foundation. $150,000.

Ont., Toronto — Exchange — Bell Telephone Co. of Canada, Adelaide St., making plans 3 story and basement, rein.-con., brick and steel, plain foundation Duffern St. $200,000. F. Kennedy, mgr.

Ont., Toronto—Offices—Robins Ltd., Kent Bldg., plans 7 story and basement, rein.-con., brick and steel, plain foundation. $250,000. Engineer and architect not selected.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, rein.-con., brick and steel, W. Houston School, plain foundation, Spadina Ave. and College St. $150,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, rein.-con., brick and steel, plain foundation, Gladstone Ave. $200,000.

BIDS DESIRED

Mass., Waltham — Oct. 23, by School Comn., 2 story and basement, 50 x 135 ft., brick, stone and timber, plain foundation, Lake St. $150,000. Haven & Hopkins, 11 Beacon St., Boston, archts. Noted Oct. 9.

R. I., Providence — Museum — Rhode Island School of Design, 11 Waterman St., taking bids large museum. $1,000,000. Bellows & Aldrich, 8 Beacon St., Boston, Mass., archts.

Conn., Greens Farms—Town of Westport—School Dept., taking bids 2 story and basement, 70 x 116 ft., brick and timber, plain foundation, here. $150,000. C. E. Cutler, King St., Westport, archt.

Conn., Greenwich—High School—Oct. 22, by Bd. Educ., 3 story and basement, 104 x 296 ft., brick, plain foundation, Fieldpoint Rd. Guilbert & Bettelle, Chamber of Commerce, Newark, N. J., archts.

Conn., Hartford — Headquarters—Water Bd., City Hall, taking bids remodeling and constructing 1 story and basement, 28 x 153 ft., brick, plain foundation, Homestead Ave. $150,000. Whiton & McMahon, 36 Pearl St., archts.

N. Y., Kings Park—Cottages—Nov. 12, by State Hospital Comn., Albany, constructing 5 cottages at Kings Park State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Oct. 16.

N. Y., New York — Apartment — A. A. Paterno, 2300 Bway., will build 15 story, brick, steel and stone, plain foundation, Amsterdam Ave. and 75th St. $1,300,000. Work will be done by separate contract.

N. Y., New York—Loft—Millinery Center Building Corp., c/o H. I. Cobb, archt., 1465 Bway., will build 22 story, 90 x 200 ft., brick, steel and stone, plain foundation, 7th Ave. and 38th St. $3,500,000. Work will be done by separate contract under supervision of architect. H. C. Oser, 1400 Bway., engr.

N. J., Camden—Detention Home—Nov. 27, by Lackey & Hettle archts., 5 Hudson Ave., 2 story and basement, 50 x 200 ft. brick and stone, plain foundation, for Bd. Freeholders Camden Co., Court House. Noted June 12.

N. J., Camden—Home—Oct. 24, by J. C. Jeffens, archt., 312 Market St., 4 story and basement, 80 x 160 ft., brick and steel, plain foundation, 7th and Cooper Sts., for B. P. O. E. and Federal and Bway. Sts.

N. J., Princeton—Dormitory—Oct. 30, by Day & Klauder, archts., Franklin Bank Bldg., Phila., 3 story and basement, 30 x 380 ft., stone dormitory, plain foundation, here, for Princeton University. Noted April 10.

N. J., Trenton Junction (Trenton P. O.) —Dining Hall, etc.—Oct. 23, by Guilbert & Betelle, archts., Commerce Bldg., Newark, dining hall, kitchen, auditorium and gymnasium, etc., at New Jersey School for Deaf, here, for State Bd. Educ., Trenton. $500,000. Noted Oct. 2.

Pa., Altoona—Synagogue—Hebrew Reform Congregation, M. H. Neuwahl, pres., 1403 11th Ave., taking bids 2 story and basement, 120 x 120 ft., rein.-con., brick and steel, West Chestnut Ave. Stanley & Scheibel, Wick Bldg., Youngstown, O., archts. Noted Aug. 21.

Pa., Easton—Theatre and Store—Oct. 28, by W. H. Lee, archt., 1505 Race St., 2 story and basement, 85 x 150 ft., brick and steel, plain foundation, for Wilmer & Vincent, 1451 Bway.

Va., Roanoke—Hotel—Oct. 23, by W. L. Stoddart, archt., 50 East 41st St., New York City, 11 story and basement, 134 x 161 ft., rein.-con., brick and steel, plain foundation, Jefferson St., here, for New Hotel Corp., W. W. Boxley, pres., Boxley Bldg. $900,000.

O., Springfield—Administration, etc.—Oct. 27, by Schenk & Williams, archts., Mutual Home, Dayton, 3 and 4 story and basement, 19 x 38 ft. administration building, 1 story and basement, 53 x 158 ft. childrens building, 2 story and basement, 89 x 106 ft. service building, and 2 story and basement, 53 x 61 ft. nurses home, all rein.-con., brick and tile, for Bd. Comrs. Clark Co. $360,000.

O., Warren—High School—Nov. 10, by L. O. Wurtemberger, dir. Schools, 3 story high school. $250,000. Keich, O'Brien & Hosker, Warren, archts.

Ia., Ottumwa—Hospital—Oct. 21, by E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, Wis., concrete foundation and framework for 4 story and basement, 46 x 154 ft., and 37 x 98 ft. also two 40 x 72 ft. wings, brick and concrete, plain foundation, here, for St. Josephs Hospital, 639 4th Ave., Milwaukee, Wis. $300,000.

Wis., Watertown—Hotel—Badger Hotel Co., c/o M. F. Blumenfield, 1 South Pickney St., Madison, taking bids 5 story and basement, 66 x 105 ft., brick, rein.-con. and steel, plain foundation. $250,000. Noted Nov. 1.

Mo., St. Louis—Fire Station—Nov 14, by Bd. Pub. Wks., 2 story, brick and concrete, Easton and Leondard Sts. L. R. Bowen, 301 City Hall, archt. and engr.

Neb., Omaha—Livestock Exchange Building—Union Stock Yards Co., c/o E. Buckingham, pres., taking bids 10 story and basement, brick and steel, southside. $1,000,000. R. L. Breinig, Omaha, engr. G. B. Prinz, 1037 Omaha Natl. Bank, archt.

Ark., El Dorado—Church—Oct. 22, by W. B. Boone, archt., El Dorado, 2 story and balcony, brick, concrete and terra cotta, for Presbyterian Congregation. $200,000. F. R. Dudley, pastor.

Tex., Dallas—Auditorium—Oct. 30, by A. D. Schuessler, secy. Southern Methodist University, brick and concrete auditorium. $350,000.

Calif., Huntington Park—High School—Oct. 27, by Trustees Huntington Park Union School Dist., Bell High School, brick and concrete. $200,000 or more. Train & Williams, Mutual Life Bldg., Los Angeles, archt.

BIDS RECEIVED

Tex., Dallas—Church—First Methodist Church 2 story and basement, 160 x 232 ft., Ross & Harwood Sts., from Bellows-McClay Co., Kirby Bldg., $429,155. Noted July 3.

Calif., Los Angeles—Hospital and Nurses Home—Rea & Garstang, archts., Trust & Savings Bldg., hospital and nurses home, Grand Ave., general contract, from Bavin & Burch, 173 East Jefferson St., $266,585 for Methodist Hospital. Noted Sept. 25.

Calif., Los Angeles—Office and Bank—Parkinson & Parkinson, archts., Title Insurance Bldg., 12 story and basement, class "A," 6th and Spring Sts., concrete work,

Buildings—Commercial (Continued)

from J. C. Bannister, 6331 Hollywood Blvd. $168,500, for Pacific Southwest Trust & Savings Bank. Noted Oct. 2.

CONTRACTS AWARDED

Me., Augusta—Storage and Office—State Building Comn., State House, Augusta, 2 story and basement, 50 x 144 ft., brick and steel, Grove St. to G. W. Lane & Co., 82 Pierce St., Lewiston. Archts. est. $150,000.

Mass., Brookline (Boston P. O.)—Warehouse and Office—S. S. Pierce Co., 69 Tremont St., Boston, 6 story and basement, 110 x 375 ft., rein.-con., brick and steel, Burlington Ave., to M. C. Tuttle Co., Park Sq. Bldg., Boston. Archts. est. $250,000-$300,000.

Mass., Lawrence—Store—Treat Hardware Co., 485 Essex St., 3 story and basement, 50 x 170 ft. with 38 x 50 ft. ell, brick and stone, Bway. and Essex St., to L. H. McAloon, Lawrence. Archts. est. $230,000. Noted Aug. 21.

Conn., Hartford — Nurses Home—Hartford City Hospital, Jefferson St., 4 story and basement, 40 x 140 ft., brick, steel and stone, to Carlson & Torrell, 50 Dwight St., New Britain. Archts. est. $180,000. Noted Oct. 2.

Conn., Hartford—Office—Owner, c/o P. Goodwin, archt., 4 East 53rd St., New York City, 5 story, brick, steel and stone, plain foundation, to Marc Eidlitz & Son, Inc., 41 East 42nd St., New York City. Archts. est. $400,000.

Conn., Hartford — Theatre — Lenox Investment Co., c/o E. T. Wiley, archt., 75 Pratt St., 2 story and basement, 60 x 120 ft, brick, plain foundation, Albany and Sterling Sts., to R. Johnson, 810 North Main St., West Hartford. Archts. est. $150,000. Noted Aug. 14.

Conn., Middletown—School—Bd. Educ., J. Boylan, chn., 2 story and basement school, to S. Mazzotta, Mazzotta Pl. Archts. est. $150,000. Noted Oct. 2.

N. Y., Brooklyn—Warehouse—A. Wohl, 37th St. and 14th Ave., 3 story, rein.-con., plain foundation. 38th St., to Turner Constr. Co., 244 Madison Ave., New York City. Archts. est. $150,000.

N. Y., New York — Apartment — Kinser Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Vyse Ave., by day labor. $150,000.

N. Y., New York—Apartment—C. W. Mark Co., c/o Springsteen & Goldhammer archts. and engrs., 32 Union Sq., will build 5 story, 83 x 94 ft. brick, steel and stone, plain foundation, 180th St. near Webster Ave. by day labor. $200,000.

N. Y., New York—Apartment—Tremon Woodworking Co., c/o C. Kreymborg, archt. and engr., will build 5 story, brick, steel and stone, plain foundation, Grand Ave., by day labor. $200,000.

N. Y., New York—Apartment—A. Campagna, 200 West 72nd St., will build 14 story, 92 x 155 ft., brick, steel and stone, plain foundation, 5th Ave. and 93rd St., by day labor. $1,000,000. J. E. R. Carpenter, 598 Madison Ave., archt. and engr.

N. Y., New York—Apartment—D. J. Rubenstein, c/o Goldner & Goldner, archts., 47 West 42nd St., will build 15 story, brick, steel and stone, plain foundation, 209 West 106th St., by day labor. $800,000.

N. Y., New York — Clubhouse — Brook Club, 7 East 40th St., 4 story, brick, steel and stone, plain foundation, 111 East 45th St., to Saxton-Gerard Co., Inc., 19 West 44th St. Archts. est. $400,000. Noted July 17.

N. Y., New York—Clubhouse—Knights of Columbus, 244 West 51st St., 15 story, brick, steel and stone, plain foundation, 8th Ave., to McEntee & Sperling, 103 Park Ave. Archts. est. $1,650,000.

Pa., Ashland—Hotel and Store—A. and P. H. Loeper, 4 story and basement, 50 x 125 ft., brick and steel, plain foundation, to Stofflet & Tillotour, Wesley Bldg., Phila.

Pa., Connellsville—Plant—Capstan Glass Co., general contract 1 story and basement addition, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $50,000.

Pa., Phila. — Apartment — S. Newton Smith, Hotel Marlyn, 40th and Walnut Sts., 4 story and basement, 116 x 226 ft., brick and steel, plain foundation, 43rd and Chestnut Sts., to W. E. Pierce, Juniper & Pine Sts. Archts. est. $300,000.

Pa., Phila. — Chapel, etc. — Protestant Episcopal Divinity, c/o G. C. Bartlett, 316 South 10th St., 50 x 168 ft. chapel with 45 ft. tower, 3 story and basement 42 x 62 ft. deanery, and two 3 story and basement, 58 x 76 ft., faculty houses stone and steel, plain foundation, 42nd and Spruce Sts., to H. G. Campion, Otis Bldg Noted Aug. 14.

Pa., Pittsburgh—Lodge and Office—Junior Order Amer. Mechanics, general contract 5 story and basement, 60 x 100 ft., Forbes & Halkit Sts., to Cuthbert Bros., Bessemer Bldg. Archts. est. $275,000.

Pa., Reading — Orphanage — Berandine Sisters of St. Francis, 3 story and basement, 69 x 240 ft. with 58 x 83 ft. wing, brick and steel, plain foundation, to J. Detthoff, Reading. Noted Sept. 4.

Pa., Worthington — Factory — Graff-Kittanning Clay Products Co., will build 3 story, 112 x 256 ft. factory by day labor. $40,000. L. B. Pierce, c/o Owner, engr.

Md., Baltimore—High Schools—Smith & May, archts., Calvert Bldg., 2 story and basement, 60 x 265 ft., brick and steel, plain foundation at Catonsville, to North Eastern Constr. Co., Lexington Bldg., for Bd. Educ., Towson, $200,000; also 2 story and basement, 60 x 265 ft. at Towson, to Cogswell-Koether Co., 406 Park Ave., Baltimore, for Bd. Educ. Towson, $195,000. Noted Sept. 18.

O., Cincinnati — Apartment — Melish Realty Co., 303 Provident Bank Bldg., 4 story and basement, 157 x 255 ft., rein.-con. and brick, plain foundation, Melish Ave., to Hodges-Erwin Co., 241 Walnut St. $425,000. Archts. est. $400,000. Noted July 17.

O., Cincinnati—Hotel—Hotel Alms Co., McMillan and Alms Pl., 11 story and basement, rein.-con. and brick, Locust St., to Ferro Concrete Constr. Co., 3rd and Elm Sts., $1,000,000. Noted Sept. 13, 1923.

O., Cleveland — Commercial, Apartment and Theatre—L. Abrams, Engineers Bldg., 2 story and basement, 74 x 125 ft., brick, steel and concrete, Euclid Ave., and Ivanhoe Rd., to W. I. Thompson & Son Co., 5103 Eucid Ave. Archts. est. $150,000. Noted Aug. 7.

O., Cleveland—Warehouse—Natl. Warehouse Co., c/o V. Sincere of Bailey Co., Ontario and Prospect Aves., 4 story and basement, 120 x 140 ft., rein.-con. and brick, Oregon Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $200,000.

O., Columbus — Theatre — B. F. Keith Theatrical Enterprises, 1564 Bway., New York City, 3 story, 115 x 157 ft. with 42 x 173 ft. wing, brick, stone, terra cotta and concrete, West Broad St., to M. Shapiro, Cleveland, about $1,000,000. Noted April 10.

O., Lakewood (Cleveland P. O.)—Apartment—E. Brudno, Leader-News Bldg., Cleveland, 3 story and basement, 46 x 130 ft., brick and timber, Webb Rd., to B. H. Lessovitz, 2449 East 126th St. Archts. est. $200,000. Noted Oct. 2.

O., Portsmouth—Court House and Jail—Comrs. Scioto Co., 4 story and basement, 140 x 160 ft., rein.-con., brick and limestone, 6th and 7th Sts., to Taylor & Linn, Portsmouth, $443,351.

Mich., Detroit—Store and Office—A. M. Campau Realty Co., 1412 McDougall St., constructing store and office building Park Ave. and Elizabeth St., to Everett Winters Co., 1024 Book Bldg., $150,000.

Ill., Everett—Service—West View Farm Co., 104 South Michigan St., Chicago, 2 story and basement, 75 x 150 ft., rein.-con. and brick, Ridgeroad St., to E. P. Strandberg Co., 232 East Erie St., Chicago. Archts. est. $175,000.

Ill., Harvey — Hotel — Apartment — J. Bowers, c/o D. Meredith, archt., 4750 Sheridan Rd., Chicago., 3 story and basement, rein.-con., brick and stone, masonry work, etc., to G. Cassidy Sons, 2942 Wilson Ave., Chicago. Archts. est. $250,000. Noted April 8.

Wis., Kenosha — Apartment — Larson Brothers Co., Wilson Ave., will build 3 story and basement, 100 x 136 ft., rein.-con. and brick, plain foundation, Park Ave., by day labor. $300,000. C. O. Augustine, Commercial Exch. Bank Bldg., archt.

Wis., Kenosha—Hotel—Dayton Hotel Co., Orpheum Bldg., 7 story, 40 x 100 ft., rein.-con. and brick, plain foundation, to Christensen Constr. Co., 5050 West Grand Ave., Chicago. Archts. est. $350,000. Noted July 10.

Wis., Milwaukee—Apartment—Biltmore Grande Realty Co., c/o Rosman & Wierdsma, archts., 490 Bway., 4 story and basement, 132 x 186 ft., brick and concrete, Grande Ave., to Universal Constr. Co., 915 Chestnut St. Archts. est. $650,000. Noted June 12.

Wis., Madison—Church—First Methodist Episcopal Church, c/o J. M. Walters, 2322 West Lacon St., 2 story, 60 x 185 ft., rein.-con. and brick, plain foundation, to C. B. Fritz Co., 138 North Frances St. Noted July 31.

Wis., Racine — Factory — Gold Medal Camp Furniture Co., 1700 Packard Ave., will build 2 story, 58 x 150 ft. brick and timber addition plain foundation, by day labor. $50,000. D. R. Davis, Schultz Bldg., archt.

Wis., Racine—Store—Monument Square Corp., per Zahn Dry Goods Co., 436 Main St., 4 story and basement, 62 x 146 ft., brick and concrete, plain foundation, Monument Sq., to Nelson & Co., Jones Bldg., Archts. est. $250,000.

Ia., Iowa City — Memorial — Memorial Union Committee, c/o R. H. Fitgerald, 509 Oakland Ave., general contract 2 story and basement, 166 x 234 ft., rein.-con., brick and stone, State University campus, to T. Stark & Co., 118 South 11th St., Cedar Rapids, about $200,000. Noted Oct. 9

Ia., Sioux City—School—Bd. Educ., general contract Junior High School, 3 story and basement, 176 x 296 ft., rein.-con., brick and stone, to Riesche & Sanborn, 514 Jackson St., $273,811. Noted Sept. 25.

Kan., Winfield — College — St. Johns Lutheran College, general contract 3 story and basement, 133 x 140 ft., concrete, brick and native stone, to Blaser-Vollmer Constr. Co., Ft. Scott, $139,000. Archts. est. $185,000. Noted Oct. 9.

Neb., Fremont—Church—Salem Lutheran Church, c/o D. W. Crouse, secy. building com., 1226 North Main St., 1 story and basement, 66 x 126 ft., brick, C St. and Military Ave., to H. Kautzen, Kearney, $150,000. Noted July 10.

Neb., Omaha—Store—T. Kilpatrick Co. Dept. Store, c/o W. F. Baxter, pres., 6 story and basement, 22 x 60 ft., brick, steel and stone addition, 1521 Douglas St., to P. Kiewitz Sons, 908 Natl. Bank Bldg., $300,000.

Neb., Seward—Seminary—Administrative Seminary—Bd. Dirs. Teachers Seminary, 3 story and basement, brick, stone and rein.-con., to L. Worth, Columbus, for Evangelical Lutheran Synod, $150,000. Noted Sept. 25.

Mo., Maryville — Gymnasium—Northwest Missouri Teachers College, 2 story and basement, 83 x 111 ft., rein.-con., brick, general contract, to T. W. Hackett, 1023 Church St., St. Joseph, $87,375; plumbing and heating, to P. Groeschel, Marshall. Archts. est. $150,000. Noted Sept. 25.

Mo., St. Louis—Apartment—Glen Eyrie Investment Co., 721 Chestnut St., will build 6 story and basement, 46 x 100 ft., rein.-con., brick and stone. McPherson and Skinker Rds., by day labor. $150,000. W. E. Sheehan, 721 Chestnut St., archt.

Mo., St. Louis—Temple—United Hebrew Congregation, Enright Ave. and Kingshighway, 2 story and basement, 140 x 175 ft., rein.-con., brick and stone, Skinker Rd., to L. F. Abrams, Chemical Bldg. Archts. est. $300,000. Noted Feb. 20.

Calif., Modesto—Lodge—B. P. O. E., c/o G. Bare, exalted ruler, 3 story and basement, brick and concrete, 13th and Eye Sts., to Davis-Heller-Pearce, Inc., Delta Bldg., Stockton, $155,000.

Calif., Long Beach—Office and Store—R. D. Marshall, 238 West 1st St., 6 story and basement, 75 x 150 ft., rein.-con., to Stanton, Reed and Hibbard, Metropolis Bldg., Los Angeles, approximately $350,000.

Calif., Los Angeles—Theatre and Office—Bway. Properties Co., 1250 tons structural steel for 13 story theatre and office building, to Llewellyn Iron Works, 1200 North Main St. Noted April 10.

Calif., Salinas — Store — Farmers Mercantile Assn., 2 story, rein.-con. store to West Coast Constr. Co., 519 California St., San Francisco, $156,500. Archts. est. $150,000. Noted Sept. 11.

Calif., San Francisco—Apartment—A. Burgren, archt., 110 Sutter St., 3 story and basement, brick and steel, Jones St. and Maiden Lane, to C. P. W. Jensen, 320 Market St., $155,000. Owner's name withheld.

Calif., San Francisco—Office—Firemens Fund Insurance Co., 401 California St., 8 story and basement, Class "A," Sansome St. near California St., to MacDonald and Kahn, 130 Montgomery St., $300,000 to $400,000. Noted Oct. 9.

Calif., Santa Ana—Hospital—Santa Ana Valley Hospital Assn., Spurgeon Bldg., 3 story and basement, rein.-con., to C. T. Moore, 949 West Highland St., approximately $146,000. Noted Oct. 9.

Calif., Santa Monica—Store and Office—F. A. Bode, Pasadena, 3 story, 100 x 100 ft., rein.-con. and brick, and 8 story, 46 x 46 ft. 46 x 46 ft., rein.-con., 6th St., to Western States Constr. Co., 726 Santa Monica Blvd., approximately $250,000.

Ont., Port Arthur—Jail—Dept. Pub. Wks., Toronto, general contract 2 story

Buildings—Commercial (Continued)

and basement, 50 x 90 ft., rein.-con., brick and steel, plain foundation, to M. H. Braden, Orillia, $102,000.

Que., Quebec — Hotel—Canadian Pacific R.R., completing new Chateau Frontenac Hotel, Dufferin St., to Anglin-Norcross Co. Ltd., New Chateau Frontenac. Archts. est. $3,000,000.

Federal Government Work

PROPOSED WORK

Va., Norfolk — Caisson Gate — Bureau Yards & Docks, Navy Yard, Wash., D. C., rejected bids Sept. 24, caisson gate for Dry Dock 1, here. Noted Oct. 2.

Wash., Bremerton—Pier—U. S. Engineer takes bids about Nov. 1, 1,200 ft. pier, for Puget Sound Navy Yard, here.

BIDS DESIRED

N. H., Concord—Waterworks—Nov. 3, by Treas. Dept. at office Supervising Archt., Wash., D. C., new water piping, hot water tank, etc., in U. S. Post Office, here; adv. E. N.-R. Oct. 16.

Mass., Hingham—Roofs—Spec. 5023—Oct. 22, by Bureau Yards & Dock, Navy Dept., Wash., D. C., reroofing buildings, here.

Mass., Rockland—Stone—Oct. 31, by Bureau Yards & Docks, Navy Dept., Wash., D. C., placing 7,000 tons stone in breakwater, here.

N. Y., Buffalo—Steel Barges—Nov. 8, at U. S. Engineer Office, Buffalo, seven steel barges; adv. E. N.-R. Oct. 16.

Pa., Pittston—Post Office—Nov. 10, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here; adv. E. N.-R. Oct. 16.

Del., Wilmington — Barges—Oct. 25, by U. S. Engineer Office, War Dept., Wash., D. C., 2 steel barges, here.

Del., Wilmington—Remodeling—Oct. 31, by Treas. Dept. at office Supervising Archt., remodeling 1st story U. S. Custom House, here.

Va., Norfolk—Repairs—Spec. 5033—Oct. 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs and alterations to buildings, here.

W. Va., Huntington—Steel Hull—Nov. 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 5 x 21 x 70 ft. steel hull for derrick boat, L. K. 7, here.

S. C., Greenville—Post Office—Oct. 30, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here.

La., New Orleans—Earthwork—Oct. 22, by U. S. Engineer Office, War Dept., Wash., D. C., 255,000 cu.yd. earthwork in Atchafalaya Levee Dist., here.

BIDS RECEIVED

Mass., Northampton — Walks — U. S. Veterans Hospital, Room 791 Arlington Bldg., Wash., D. C., constructing covered walks at Veterans Hospital 95, here, from V. Schrane & L. A. Yates, Tupper Lake, N. Y., $97,815. Noted Oct. 2.

Pa., Phila.—Dredging—Spec. 5018—U. S. Engineer Office, War Dept., Wash., D. C., dredging (1) 60,000 to 120,000 cu.yd. (2) 120,000 to 180,000 cu.yd. from Amer. Dredging Co., Mariner & Merchants Bldg., (1) $0.36 (2) $0.34. Noted Sept. 18.

D. C., Wash.—Boiler Plant Improvements—Lt. Col. C. C. Sherrill, U. S. Army Supt. Buildings, 1036 Navy Bldg., boiler plant improvements, from Schneider & Spliedt Co., 1416 F St., $29,400.

O., Steubenville — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 2 story, post office, here, from Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, Mo., $158,374. Noted Sept. 11.

Ia., Cherokee—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office here, from J. H. Olsen, Willmar, Minn., $42,140. Noted Sept. 18.

Wash., Walla Walla — Administration — U. S. Veterans Bureau 791 Arlington Bldg., Wash., D. C., constructing administration building here, from H. J. McLeod, Walla Walla, (1) $26,700; from E. A. Francis Constr. Co., Seattle, (2) $4,908. Noted Sept. 18.

Calif., Palo Alto—Laundry—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., laundry at U. S. Veterans Hospital 24, here, from Western Constr. Co., 24 California St., San Francisco, $24,400. Noted Sept. 18.

CONTRACTS AWARDED

N. Y., Buffalo—Seawall—U. S. Engineer Office, War Dept., Wash., D. C., repairing seawall at Fort Niagara, here, to Reddington Eng. Co., 238 Portage Rd., Niagara Falls, $15,600.

N. Y., New York—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging in Newark Bay and Hackensack River, to Arundel Corp., Pratt St., Baltimore, Md., $692,712.

La., New Orleans — Earthwork — U. S. Engineer Office War Dept., Wash., D. C., 187,000 cu.yd. earthwork in Lower Texas Levee Dist., here, to Byrd & Clopton, Morrow, $71,060.

Tenn., Memphis—Levee Work—U. S. Engineers Office, War Dept., Wash., D. C., levee work in White River Dist., to Rodgers Bros. & Co., Memphis, Tenn., Item 24, $60,000.

Ky., Louisville—Boilers—U. S. Engineer Office, furnishing 3 locomotive type steam boilers, to Titusville Iron Wks. Co., Titusville, Pa., $4,475.

Ky., Louisville—Engines—U. S. Engineer Office, five 6 x 8 nigger engines and capstans complete, to Marine Mfg. & Supply Co., 35 Water St., Pittsburgh, Pa., $5,925.

Ky., Louisville—Metal Work—U. S. Engineer Office, War Dept., Wash., D. C., metal work for Chanoine Weir, Dam 45, Ohio River, Lot A, to Independent Bridge Co., May Bldg., Pittsburgh, Lot A, $5,980; Lots B and C, to Amer. Car & Fdry. Co., Jeffersonville, Ind., $14,389; Lot D, to Owensboro Fdry. Co., Owensboro, $1,200. Noted Oct. 9.

Md., Annapolis—Heating Service Lines—Spec. 5022—Bureau Yards & Docks, Navy Dept., Wash. D. C., heating service lines at Naval Academy, here, to H. E. Crook Co., Inc., 28 Light St., Baltimore, $2,434 (40 days).

Ind., North Vernon—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, here, to Dunlap & Co., Inc., 5th and Jackson Sts., Columbus, $43,720. Noted Oct. 9.

Calif., Mare Island—Ward—Spec. 4979—Bureau Yards & Docks, Navy Dept., Wash., D. C., psychopatic ward, here, to Larsen-Siegrist Co., Inc., 914 Claus Spreckels Bldg., San Francisco, $91,977 (240 days).

Calif., San Diego—Repairs—Spec. 5019—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to Aroostook, to F. W. Steffgen, 221 Spreckels Bldg., San Diego, $6,777 (75 days).

Calif., San Francisco—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging in Oakland Harbor, here, to Amer. Dredging Co., 255 California St., $167,578.

H. T., Pearl Harbor—Water Discharge—Spec. 5001—Bureau Yards & Docks, Navy Dept., Wash., D. C., circulating water discharge, here, to E. J. Lord, 309 McCandless Bldg., Honolulu, $47,363 (210 days).

Unclassified

PROPOSED WORK

Playground—Medford, Mass.—City making plans construction of playground, Lewis St. and Fulton Terrace, Ward 2. E. H. Larkin, chn. Bd. Alterman, engr. To exceed $25,000.

Rock Wall, etc.—Plymouth, Mass.—Bd. of Selectmen plans construction rock wall and dredging in connection with new wharf. $25,000.

Causeway — Tampa, Fla. — Hillsborough Co. plans election Oct. 28 to vote $490,000 bonds for construction of causeway across arm of Hillsborough Bay S. E. from De Soto Park, with roadway 32 ft. wide and one 6 ft. sidewalk, type and style as required by U. S. War Dept. A. B. Pimm, Court House, engr.

Stock Pavilion, etc.—Nashville, Tenn.—Davidson Co. plans election $250,000 bonds for stock pavilion and other buildings for state fair grounds. L. Hickmon, co. judge.

Sea Wall—Wyandotte, Mich.—Making plans 1,200 ft. sea wall in front of city park, 250 ft. from present shore line. $66,000. M. L. Brown & Son, 402 Capitol Bldg., Detroit, engrs.

Subway, etc. — Amarillo, Tex. — Takes bids after Oct. 15, structural steel and rein.-con. subway, 710 ft. piers, 48 ft. wide, 16 ft. deep, incl. 2,982 ft. 42 in. concrete pipe storm sewer, 3,000 yd. 3 in. vitr. brick on 5 in. concrete pavement. $58,000. Cost to be borne by city and Texas & San Francisco Ry. H. B. Jones, city engr.

Transmission Line and Distribution System Oklahoma—City of Braman, voted $25,000 bonds 10 mi. 13,200 volt transmission line from Braman to Blackwell, also distribution system in Braman. F. B. King, Grain Exch. Bldg., Oklahoma City, engr.

Harbor Improvements—Coronado, Calif.—Rejected bids for harbor improvements, 9,000 tons large and 5,000 tons small rock, etc. Noted Oct. 2.

Subway — Long Beach, Calif. — Plans traffic subway at Pacific Ave. and Pacific Electric right-of-way. $155,000. Cost to be borne by city and railroad.

Elimination of Grade Crossings — Los Angeles, Calif. — Los Angeles Co., plans election $5,000,000 bonds for structures and improvements to eliminate grade crossings. Total $20,000,000. Railroads and various cities to appropriate toward cost.

Transmission Line, etc — Los Angeles, Calif.—Making plans cable lines in business section, $1,500,000; 40 mi. power lines, $325,000, 1st unit transmission belt lines, $1,200,000; distributing lines in new territory, $2,000,000; improving and extending distribution lines, $1,600,000; constructing sub-stations in 9 districts, $1,400,000. Eng. Dept. of Municipal Power Bureau, engrs.

Town Site — San Francisco, Calif. — Crocker Estate Co., 525 Crocker Bldg., making plans residential tract and town site, incl. construction of streets, water, sewer and lighting systems, etc. $500,000-$850,000. F. Herding, Crocker Bldg., engr.

Transmission Line — Jonquierres, Que.—City Council making plans 20 mi. transmission line carrying 13,200 volts. $35,000. Engineer's name withheld. J. M. Lacroix, city clk.

Transformer — Brantford, Ont. — Hydro-Electric Comn., Brantford, plans to purchase and install transformer in substation, about 1,000 k.v.a.

Hydro-Electric Development — Kingston, Ont.—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, making plans hydro electric generating plant at Jones Falls, on Rideau River, 65 ft. head, 2,500 hp. 500,000. F. A. Gaby, ch. engr.

Wharf — Port Arthur, Ont. — Thunder Bay Harbor Impvt. Co., making plans concrete and timber wharf extension at Canadian Natl. Ry. Elevator B, $50,000. C. D. Howe & Co., Port Arthur, engr.

Hydro Substation—Sarnia, Ont.—Sarnia Hydro System, plans 26,000 volt brick and concrete substation.

Stadium — Toronto, Ont. — Bd. Harbor Comrs., Harbor Bldg., making plans baseball stadium near foot Bay St., brick, concrete and steel. $200,000. E. L. Cousins, ch. engr.

Sprinkler System — Waterford, Ont. — Penmans Ltd., Paris, Ont., making plans sprinkler system for fire protection, here. $30,000. A. Lundy, c/o owner, engr.

BIDS DESIRED

Mechanical Equipment, etc. — Astoria (Long Island City P. O.), **N. Y.**—Oct. 21, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment, plumbing, heating and ventilating, etc., in P. S. 122, Ditmars Ave., here, for Bd. Educ., 500 Park Ave., New York.

Mechanical Equipment, etc.—New York, N. Y.—Oct. 21, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment, heating, plumbing and ventilating, etc., in P. S. 136, Edgecombe Ave., here, for Bd. Educ., 500 Park Ave.

Mechanical Equipment, etc.—New York, N. Y.—Oct. 27, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment, plumbing, heating and ventilating, etc., in New York Training School for Teachers, West 135th St., here, for Bd. Educ., 500 Park Ave.

Tunnel Approaches—New York, N. Y.—Nov. 12, at office of New York State Bridge & Tunnel Comn., tunnel approaches. T. Boettger, chn.; adv. E. N.-R. Oct. 16.

Terminal, etc.—Algiers (New Orleans P. O.), **La.**—Oct. 21, by R. T. Nolan, mgr. Algiers Pub. Serv. Co., foot Canal St., complete new terminal station for Canal Street Ferry landing at foot Morgan St., incl. ferry house, covered arcade, piling, steel bridge, etc.

Street Lighting System — Los Angeles Calif.—Bd. Pub. Wks. taking bids street lighting system on 7th St. between Hoover and Vermont Aves., and Flower St. between Washington and 3rd Sts., incl. 203 pressed steel standards. To exceed $25,000.

BIDS RECEIVED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing part of Rapid Transit R.R. Sect. 6 B, Route 8, Brooklyn, from Marcus Contg. Corp., 30[illegible] Bway., $2,561,000, also alterations to railroad on Route 5, Sect. 8, to permit widening roadway Lexington Ave., from Contractors Service Corp., 226 Jackson St., Brooklyn $72,304. Noted Oct. 2.

Unclassified (Continued)

Street Lighting System — Los Angeles, Calif.—Street lighting system on Vine St. between Franklin and Melrose Aves., from A. C. Rice, 1963 Santee St., $57,821; Adams St. between Vermont and Western Aves., from Electric Light Supply Co., 214 West 3rd St., $37,210.

CONTRACTS AWARDED

Plumbing, etc.—Auburndale, N. Y. (Flushing P. O.)—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, plumbing and drainage P. S. 130, to W. J. Endres, Grand Central Terminal, New York, $27,227; heating and ventilating in same, to Kenney Newall Co., 33 Old Bway., New York, $45,479. Noted Oct. 2.

Plumbing — New York, N. Y. — W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, plumbing and drainage in P. S. 47, East 23rd St., to P. M. Penny Sons, Inc., 33 Old Bway., $60,970. Noted Oct. 2.

Playground—New York, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, new playground for P. S. 20, 167th and Tiffany Sts., here, to M. Kreindel, 81 East 125th St., $35,500. Noted Oct. 2.

Special Work—New York, N. Y.—Bd. Transportation, 49 Lafayette St., special work in part Lenox Ave. yard, to W. Wharton, 30 Church St., $33,018.

Plumbing, etc.—St. George, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord Sts., Brooklyn, plumbing and drainage in P. S. 39, to E. Seikman, St. George, $33,240; heating and ventilating in same, to D. J. Rice, 42nd St. and Lexington Ave., New York, $49,585. Noted Oct. 2.

Elimination Grade Crossing—Slickville, Pa. — Westmoreland Co. (Westmoreland City), general contract overhead bridge for elimination grade crossing, to E. Johnston Co., Phila. Engrs. est. $50,000.

Car Barn—Shreveport, La.—Shreveport Rys. Co., 1 story, 190 x 230 ft., to Glassell-Wilson, Shreveport, $64,934. Noted Oct. 2.

Barns—Urbana, Ill.—University of Illinois, 1 and 2 story rein.-con. and tile barns, dairy barn to Sowers & Corkery, Urbana; horse barn, to King & Petry, Champaign, swine barn, to Ellis-Brooks, Champaign. Archts. est. $150,000.

Plumbing and Heating—Maryville, Mo.—See "Buildings—Commercial."

Breakwater—Corpus Christi, Tex.—Navigation Dist., c/o R. Driscoll, Corpus Christi, breakwater for city and Nueces Co., to J. Depuy, Bedell Bldg., San Antonio, $485,000. Engrs. est. $500,000. Noted Sept. 11.

Dyke — Brantford, Ont. — Will build earthen dyke in civic recreation grounds by day labor. $30,000. F. P. Adams, City Hall, engr.

Breakwater — Oshawa, Ont. — S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, concrete breakwater, to Lumsden Eng. & Trahsport Co., 6 Adelaide St. E., Toronto, $53,700. Engrs. est. $150,000. Noted Aug. 14.

Subway—Toronto, Ont.—Will build 70 ft. concrete subway on Woodfield Ave., 22 ft. wide, by day labor. $39,000. R. C. Harris, city engr.

Material and Equipment

PROPOSED WORK

Pipe—Byron, Calif.—Byron-Bethany Irrigation Dist., plans to purchase 3,000 lin.ft. 18 in. concrete and 330 lin.ft. 30 in. rein.-con. pipe.

Rock—Long Beach, Calif.—Plans to purchase 200,000 cu.yd. rock for use in jetty construction. R. D. Van Alstine, city engr.

Piling—Los Angeles, Calif.—Los Angeles Co. plans to purchase one hundred twenty 40 ft., four 30 ft. and four 27 ft. creosoted piles, for flood control work.

Cement, Rock, Timber, etc.—Sacramento, Calif.—H. Hall, clk. Sacramento Co., plans to purchase 1,000 bbls. cement, 600 cu.yd. crushed rock, 400,000 ft. timber for use in construction of Paintersville bridge. C. W. Detererding, Jr., co. engr.

BIDS DESIRED

Electric Crane—Ambridge, Pa.—Central Tube Co., taking bids 15 or 25 ton overhead electric crane.

Electrical Cabinet—Ebensburg, Pa.—Oct. 27, by Comrs. Cambria Co. electrically heated clothes cabinet dryer, 220 volt single phase, same to be not less than 60 ft. line, at Childrens Home.

Crane Trolleys—Pittsburgh, Pa.—Jones & Laughlin Steel Corp., Ross St., taking bids 2 crane trolleys for south side plant.

Crusher, etc. — New Lexington, O. — Founders, Sand & Supply Co., Detroit, Mich., in market for crusher, elevator and conveyor for plant, here.

Snow Plow — La Crosse, Wis. — C. C. Congdon, city engr., taking bids snow plow.

Tractor, etc.—Racine, Wis.—Oct. 20, by W. Bechthold, hwy. comr. Racine Co., 10 ton tractor and snow plow. Noted May 29.

Fire Truck, etc.—Pierre, S. D.—Oct. 27, for 1 triple combination fire truck and chemical equipment.

Crushing Plant—Kansas City, Mo.—J. J. Caldwell, 2645 Southwest Blvd., taking bids crushing plant with 5- to 8- gyratory crusher, intruding elevators and screens.

Electric Crane—Sarnia, Ont.—Dominion Alloy Steel Corp., Sarnia, Ont., in market for 10 ton, 45 ft. span electric traveling crane.

BIDS RECEIVED

Riprap—Hadley, Mass.—Dept. Pub. Wks., State House, Boston, about 4,000 ton riprap on south bank of Connecticut River, here, from C. I. Hosmer, Turner Falls, $2.95 per ton. Noted Sept. 25.

Cement—St. Paul, Minn.—City, Sept. 30, furnishing 4,000 bbl. Portland cement for Water Dept., from Twin City Brick Co., 515 Pioneer Bldg., and Capital City Lime & Cement Co., 1415 Marshall Ave., each bid $2.52 per bbl.

CONTRACTS AWARDED

Asphaltic Joint Filler, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 500 tons asphaltic joint filler, to Standard Oil Co. of New York, 26 Bway., $9,375; 200,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl. $8,592. Noted Oct. 9.

Rip Rap, etc.—New York, N. Y.—J. B. Bowe, comr. Purchase, Municipal Bldg., furnishing rip rap to Dept. Plant & Structures, to W. J. Welsh, $4,800 railroad frogs, switches, etc., to Lorraine Steel Co., 71 Bway., $2,948. Noted Oct. 9.

Electric Hoist—Phila., Pa.—See "Streets and Roads."

Structural Steel — Toronto, Ont. — See "Buildings—Industrial."

OFFICIAL PROPOSALS

Bids: Oct. 21.

Road Work

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

Baltimore, Md.

Sealed proposals for building one section of State Highway, as follows:

Allegany County. Cont. A-26. One section of State Highway along the Oldtown road from end of Cont. A-21 toward Patterson Depot, for a distance of 1.65 miles. (Concrete.)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 m. on the 21st day of October, 1924, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 6th day of October, 1924.

JOHN N. MACKALL,
Chairman.

L. H. STEUART,
Secretary.

Bids: Nov. 12.

Tunnel Approaches

New York, N. Y.

Sealed bids will be received by New York State Bridge and Tunnel Commission and New Jersey Interstate Bridge and Tunnel Commission at the office of the Commissions, Room 3004, Woolworth Building, New York City, until 2:00 o'clock P.M. (Eastern Standard Time), Wednesday, November 12th, 1924. For the construction of two (2) open approaches of a vehicular tunnel under the Hudson River, said approaches being on the island of Manhattan, known as Contract No. 5A.

A statement of the quantities of the various items of work and further information are given in the invitation to bid forming part of the contract. At the above place and time the bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Commissions as soon thereafter as practicable. The Commissions reserve the right to reject any and all bids.

Bonds in the sum of one hundred thousand dollars ($100,000) each to the State of New York and to the State of New Jersey will be required for the faithful performance of the contract.

No bids will be received or considered unless accompanied by two certified checks upon a National or State Bank or Trust Company, satisfactory to the Commissions and located in New York City or the cities of Newark or Jersey City in the sum of Twenty-five thousand dollars ($25,000.) each, one payable to the order of the "Comptroller of the State of New York," and the other payable to the order of "The New Jersey Interstate Bridge and Tunnel Commission."

The time allowed for the completion of the work is 10 months after the date of the delivery of the contract.

Books containing forms of invitation to bid, proposal, contract, specifications and bond and contract drawings, etc., can be obtained at the office of the Commissions for the sum of $5.00 per set.

New Jersey Interstate Bridge and Tunnel Commission,
THEODORE BOETTGER,
Chairman.

New York State Bridge and Tunnel Commission,
GEORGE R. DYER,
Chairman.

Bids: Dec. 9.

Sewerage, Waterworks and Drainage Construction

New Orleans, La., October 10th, 1924.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock noon of Tuesday, December 9th, 1924, for furnishing labor and material on a percentage basis for sewerage, waterworks and drainage construction, during the year 1925.

Specifications and blank proposal forms may be obtained at the office of the Board, No. 526 Carondelet Street, New Orleans, Louisiana.

The right is reserved to reject any or all bids.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
Genl. Supt.

Continued on the opposite page